

20011222.qrp v02_n413.qrl.20011222

Date: Sat, 22 Dec 2001 19:03:11 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2413

QRP-L Digest 2413

Topics covered in this issue include:

- 1) [115629] Re: warbler
by Mike Pupeza <mpupeza@altavista.com>
- 2) [115630] X-mas card...
by "Rob Matherly" <kc0bom@arrl.net>
- 3) [115631] Use of tube VFOs with tube xtal rigs
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 4) [115632] Re: re tubes
by Ray Sills <raysills@1stconnect.com>
- 5) [115633] Holiday Propagation/Solar
by "Paul Harden, NA5N" <na5n@rt66.com>
- 6) [115634] RE: Cathode Keying Voltage
by Jim Campbell <jim-c@nc.rr.com>
- 7) [115635] nostalgia
by <jfox6@houston.rr.com>
- 8) [115636] Re: Cathode keying voltage?
by "Jim Stamper" <jstamper@shentel.net>
- 9) [115637] Going Price for Cushcraft R7
by "K5XU, Mike Duke" <k5xu@netdoor.com>
- 10) [115638] MOPA
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 11) [115639] Re: Cathode keying voltage?
by "Mike Silva" <mjsilva697@earthlink.net>
- 12) [115640] Re: Cathode keying voltage?
by "Mike Silva" <mjsilva697@earthlink.net>
- 13) [115641] Re: What about the 6L6?
by "Mike Silva" <mjsilva697@earthlink.net>
- 14) [115642] Re: Cathode keying voltage?
by "Mike Silva" <mjsilva697@earthlink.net>
- 15) [115643] Re: Build a Logging Frequency Counter
by "George Heron N2APB" <n2apb@erols.com>
- 16) [115644] CQ Saipan
by Paul Womble <pwomble1@tampabay.rr.com>
- 17) [115645] FOX--VE6EX FOX LOG "First Pass"
by Earl Murphy <earlmurf@telusplanet.net>
- 18) [115646] RE: Cathode Keying Voltage
by Nick Kennedy <nkennedy@tcainternet.com>
- 19) [115647] WTB: TS-570D/S (G) or IC-746

- by "NZ8J" <timcook@erinet.com>
- 20) [115648] Re: Cathode Keying Voltage
by "Charles" <cvest@hit.net>
- 21) [115649] Re: Cathode Keying Voltage
by Jim Campbell <jim-c@nc.rr.com>
- 22) [115650] Re: What about the 6L6?
by Bruce Muscolino <w6toy@erols.com>
- 23) [115651] Re: nostalgia
by Bruce Muscolino <w6toy@erols.com>
- 24) [115652] RE: testing crystal finters
by Steven Weber <kd1jv@moose.ncia.net>
- 25) [115653] Re: ARRL and Band Threat
by "blinn" <blinn@smgazette.com>
- 26) [115654] Tubes
by "Roger A. McCarty" <rmccarty@earthlink.net>
- 27) [115655] RE: Tube Keyer?
by "Len Revelle" <lenrev@ameritech.net>
- 28) [115656] Re: Cathode keying voltage?
by "David Porter" <aa3ur@home.com>
- 29) [115657] Re: Tube Keyer?
by "David Porter" <aa3ur@home.com>
- 30) [115658] Re: Tube Keyer?
by "blinn" <blinn@smgazette.com>
- 31) [115659] Test, sorry
by wkhibbert@juno.com
- 32) [115660] Re: Tube Keyer?
by "blinn" <blinn@smgazette.com>
- 33) [115661] Season's Greetings to all!
by <k7fd@hamhobby.com>
- 34) [115662] Season's Greetings to All!
by <K7FD@hamhobby.com>
- 35) [115663] Re: Cathode keying voltage?
by "Brice D. Hornback" <bdh@cyberbound.net>
- 36) [115664] Fantastic Guest Speaker for CQC's Banquet !!
by Roger J Wendell <zeekzilch@juno.com>
- 37) [115665] {Elmer 101} vfo and freq. counter
by Lee Wilson <leesgoofy@usa.net>
- 38) [115666] Re: Cathode keying voltage?
by "Mike WA8BXN" <hubby2k@hotmail.com>
- 39) [115667] Re: Cathode keying voltage?
by "Brice D. Hornback" <bdh@cyberbound.net>
- 40) [115668] Re: Cathode keying voltage?
by "George, W5YR" <w5yr@att.net>
- 41) [115669] Re: Cathode keying voltage?
by "Mike Silva" <mjsilva697@earthlink.net>
- 42) [115670] Phone spectrum land grab, as expected
by "Marshall Emm" <mgemm@mtechnologies.com>
- 43) [115671] RE: Cathode Keying Voltage

by kaliic <kaliic@prexar.com>
44) [115672] Phone Spectrum land grab.
by "Tom" <n1tp@worldnet.att.net>
45) [115673] Re: Phone spectrum land grab, as expected
by baltimoremd@baltimoremd.com
46) [115674] Thanks for the advice on the NC-20
by FIVEWATTS@aol.com
47) [115675] FOX: CUB HUNT CHRISTMAS DAY
by "Tom" <n1tp@worldnet.att.net>
48) [115676] Re: Cathode Keying Voltage
by Pete Burbank <plburbank@kih.net>
49) [115677] Re: Phone spectrum land grab, as expected
by Bill ROWLETT <kc4atu@yahoo.com>
50) [115678] Re: Holiday Propagation/Solar
by "E. Roswell" <eroswell@monmouth.com>
51) [115679] Autek Problem: RF-1 Display
by wkhibbert@juno.com
52) [115680] HeathKit HW9...
by "Stephane Collas" <stephane.collas@wanadoo.fr>
53) [115681] TRUFFLE Final Log for AF4PS
by Macstein@aol.com
54) [115682] Re: HeathKit HW9...
by "John J. McDonough" <wb8rcr@arrl.net>
55) [115683] Re: CUB HUNT CHRISTMAS DAY
by "JOSEPH PIRKLE" <ad4ih@worldnet.att.net>
56) [115684] Re: Phone spectrum land grab, as expected
by John Wagner <john@wagner-usa.net>
57) [115685] DSWTUNER for DOS now does 50 Hz steps
by "Bill, N4QA" <n4qa@hotmail.com>
58) [115686] "land grab"
by Nv4t@aol.com
59) [115687] Re: Phone spectrum land grab, as expected
by "Rob Matherly" <kc0bom@arrl.net>
60) [115688] Re: Basement Shack Revisited
by Bill Coleman <aa4lr@arrl.net>
61) [115689] Re: Basement Shack Revisited
by "Brian" <brian@iquest.net>
62) [115690] RE: Phone spectrum land grab, as expected
by "Len Revelle" <lenrev@ameritech.net>
63) [115691] Re: Phone spectrum land grab, as expected
by "tmyers" <tmyers@AcademicPlanet.com>
64) [115692] Phone spectrum land grab, as expected
by Roger J Wendell <zeekzilch@juno.com>
65) [115693] Re: Autek Problem: RF-1 Display
by "Kevin M." <adverseyaw@twmi.rr.com>
66) [115694] TA3DD for WAC ...Europe or Asia ????
by "George Osier" <gosier@twcny.rr.com>
67) [115695] Re: Basement Shack Revisited

- by Bill <w2eb@twcny.rr.com>
- 68) [115696] Re: TA3DD for WAC ...Europe or Asia ????
- by "John Paul Keon" <jpkeon@nc.rr.com>
- 69) [115697] Re: TA3DD for WAC ...Europe or Asia ????
- by wb0wao@hotmail.com (Dennis Ponsness)
- 70) [115698] Re: Basement Shack Revisited
- by "Tony Fishpool" <tony@g4wif.fsnet.co.uk>
- 71) [115699] Re: TA3DD for WAC ...Europe or Asia ????
- by "Ingo, DK3RED" <dk3red@t-online.de>
- 72) [115700] Re: Phone spectrum land grab, as expected
- by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
- 73) [115701] Question: Birdie in 30-meter OHR-100
- by "William Phinizy" <k6whp@gte.net>
- 74) [115702] Re: TA3DD for WAC ...Europe or Asia ????
- by "John Paul Keon" <jpkeon@nc.rr.com>
- 75) [115703] ARRL Letter and CW
- by "Charles Mabbott" <crmabbott@mediaone.net>
- 76) [115704] FS: QRP+
- by "John Dorson" <jdorson@Worldshare.net>
- 77) [115705] Fox K4FB Log v 2.0
- by Paul Womble <pwomble1@tampabay.rr.com>
- 78) [115706] Pavlov and Dogs
- by "Tom Curtola" <tcurtola@rogers.com>
- 79) [115707] Re: Phone spectrum land grab, as expected
- by "Rob Matherly" <kc0bom@arrl.net>
- 80) [115708] Re: Phone spectrum land grab, as expected
- by "Rob Matherly" <kc0bom@arrl.net>
- 81) [115709] Ref. FET's for Toobs Convers
- by George Franklin <w0av@juno.com>
- 82) [115710] RE: testing crystal finters
- by "Ed Tanton" <n4xy@att.net>
- 83) [115711] Re: Phone spectrum land grab, as expected
- by "Harry Hurst" <wa3ptg@home.com>
- 84) [115712] Measuring xtal power - Redux
- by Bob Okas <vintage@vintage.best.vwh.net>
- 85) [115713] Re: Ref. FET's for Toobs Convers
- by "George, W5YR" <w5yr@att.net>
- 86) [115714] OldTime Radio
- by "Rob Matherly" <kc0bom@arrl.net>
- 87) [115715] Re: "land grab"
- by Bruce Muscolino <w6toy@erols.com>
- 88) [115716] Re: "land grab"
- by Bruce Muscolino <w6toy@erols.com>
- 89) [115717] Re: Phone spectrum land grab, as expected
- by John Wagner <john@wagner-usa.net>
- 90) [115718] Re: Basement Shack Revisited
- by "Mike Yetsko" <myetsko@insydesw.com>
- 91) [115719] Fw: Phone spectrum land grab, as expected

- by "Chuck Roedel" <cr@captainoftheclouds.com>
- 92) [115720] Holiday Milliwatt CW Contest 12/26-12/29/01
by Jim <sunwatt@starband.net>
- 93) [115721] Re: Build a Logging Frequency Counter
by "George Heron N2APB" <n2apb@erols.com>
- 94) [115722] First batch of 5763s shipped
by "Mike Silva" <mjsilva697@earthlink.net>
- 95) [115723] FS: Yaesu FT-817 & Red Hot Radio NorCal 20
by "Bruce Prior" <n7rr@hotmail.com>
- 96) [115724] Re: First batch of 5763s shipped
by W2BJ <w2bj@minsky.info>
- 97) [115725] Need HELP finding info
by Dragon Singer <WM-Scace@wiu.edu>
- 98) [115726] Re: Need HELP finding info
by "Brice D. Hornback" <bdh@cyberbound.net>
- 99) [115727] Re: window antennas and good DX with QRP prices
by FIVEWATTS@aol.com
- 100) [115728] Re: window antennas and good DX with QRP prices
by "Brian" <brian@iquiest.net>
- 101) [115729] NorCal's QRPp - New Fall 2001 Issue
by David Gauding <david.gauding@bbs.galilei.com>
- 102) [115730] Re: Phone spectrum land grab, as expected
by "Francis Callahan" <colcal@srv.net>
- 103) [115731] Re: First batch of 5763s shipped
by "W3CDE Jerry L." <w3cde@bellsouth.net>
- 104) [115732] Re: "land grab"
by ka1iic <ka1iic@prexar.com>
- 105) [115733] Re: Phone spectrum land grab, as expected
by Fred Lesnick <flesnick@tbaytel.net>
- 106) [115734] Testing crystal filters
by "Mike Branca" <w3irz@att.net>
- 107) [115735] Re: Phone spectrum land grab, as expected
by "Brice D. Hornback" <bdh@cyberbound.net>
- 108) [115736] Re: All this discussion about Home Brew Tube Rigs Reminds Me
by "W3CDE Jerry L." <w3cde@bellsouth.net>
- 109) [115737] TINY-TORNADO UPDATE
by "Brice D. Hornback" <bdh@cyberbound.net>
- 110) [115738] Re: window antennas and good DX with QRP prices
by FIVEWATTS@aol.com
- 111) [115739] Re: FOX: CUB HUNT CHRISTMAS DAY
by "Trevor Jacobs" <fxtech@earthlink.net>
- 112) [115740] Solid State Tube Substitution
by "George, W5YR" <w5yr@att.net>
- 113) [115741] Re: Measuring xtal power - Redux
by "Dave Fifield" <dave@redhotradio.com>
- 114) [115742] couple of cool sites
by "Galahad" <galahad@worldnet.att.net>
- 115) [115743] Re: First batch of 5763s shipped

by "Mike Silva" <mjsilva697@earthlink.net>
116) [115744] 5763 Tx- It works!
by Steven Weber <kd1jv@moose.ncia.net>
117) [115745] Re: Need HELP finding info
by "Mike Silva" <mjsilva697@earthlink.net>

Date: 21 Dec 2001 16:12:53 -0800
From: Mike Pupeza <mpupeza@altavista.com>
To: QRP-L@Lehigh.EDU
Subject: [115629] Re: warbler
Message-ID: <20011222001253.15580.cpmata@c016.snv.cp.net>
Content-Type: text/plain
Content-Disposition: inline
Mime-Version: 1.0

Joe;
There are several ways to key the transmitter with your laptop - if the serial port on the dock doesn't do it!
Signalink by Tigertronics uses an audio derived PTT circuit that turns on the Transmitter when it detects the audio in Transmit mode of Digipan.
Another option might be to get a PCMCIA to Serial Port Adapter card.
Of course, you could also design and build a simple VOX type circuit - the Signalink uses a simple 2N2222 type transistor and detects the audio and pulls the PTT to ground!.
Probably a 1K from the audio to the base of the transistor, the Mike PTT control to the collector, with a 100K from collector to base, and the emitter grounded would 'probably' work! You may need a pulldown 5-10K from base to ground - or similar!
Good Luck
73
Mike VE3EQP.....>

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<http://www.shopping.altavista.com>

Date: Fri, 21 Dec 2001 18:14:11 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: "Flying Pigs" <fpqrp-l@mpna.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115630] X-mas card...
Message-ID: <05ae01c18a7e\$0d788880\$9111a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Have received quite a few comments about my Christmas card... posted them at my website if anyone wants to read them :^)

<http://www.qsl.net/kc0bom/xmascard.html>

72/73/oo

Rob, kc0bom

ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPP-I #19

Visit my website! <http://www.qsl.net/kc0bom>

AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

Date: Fri, 21 Dec 2001 18:27:16 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <pepperb@gov.on.ca>
Cc: <qrp-1@Lehigh.EDU>
Subject: [115631] Use of tube VFOs with tube xtal rigs
Message-ID: <003b01c18a7f\$69347610\$4e100a0a@rohredt2000>

Brien,

Guess I will relate the experience I had with running a crystal controlled transmitter with a tube VFO. The Heath DX-20 was crystal controlled with a Colpitts circuit, a 6CL6 driving its final 6DQ6B, a sweep tube from TV trade.

For use with the Heath VF-1 VFO kit, all that was necessary was to jumper across an RF choke, in the 6CL6 circuit, as best I remember. Perhaps I can look up the schematic and post more detail.

Then, you drove the rig with the VFO via its regular output cable, which I think was intended for higher priced DX 35 model, which might even have had the accessory octal connector needed to supply the VFO with filament power and B plus.

On the DX 20 I had as 9M2SM, all that was done was to tack solder the filament and B plus wires to internal points of same on the DX 20, and the wires were run out a screw hole at the back. The VFO output was wired to a

plug into the crystal socket on the side. Worked fine, on mostly 20m, which was my main antenna. Also had a long wire for 40m and it worked there.

I think you can do the same with any tube xtal rig, and if a Colpitts just do the same as DX 20 mod. If a Pierce, I would make sure the crystal does not have B plus on it, which I think was taken care of on the VFO side of the VF-1, (a series cap blocks the DC). Maybe some of the Heath collectors can comment on anything I may be misremembering. I did not bring that particular DX 20 back to the states, as I had one stored here. I had acquired it from W8SWN my predecessor teacher in 9M2 land. Wish I had the RCA AR 88D receiver he had rebuilt, it was beautiful in its own way. But, its weight far exceeded my sea freight baggage allowance! Hopefully, it is still working for its new owner, a fellow teacher from 9M2.

72, Stuart K5KVH

Date: Fri, 21 Dec 2001 19:37:53 -0500
From: Ray Sills <raysills@1stconnect.com>
To: QRP list <qrp-l@lehigh.edu>
Subject: [115632] Re: re tubes
Message-ID: <B848881F.C099%raysills@1stConnect.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Hi Karl es Group:

Well, it's still possible to get 12AU7 and 12AT7 tubes at music stores, since those are used as the front end of the tube type guitar amps. The stores usually have 6L6s, too. My elder son's Fender Twin Reverb has all of those tubes. And you can be sure that there will be a demand for that amp for a long time to come.

73 de Ray
K2ULR
FN20t1

> From: "Karl F. Larsen" <k5di@zianet.com>
> Reply-To: k5di@zianet.com
> Date: Thu, 20 Dec 2001 11:44:08 -0700 (MST)
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Subject: RE: re tubes
>

> On Thu, 20 Dec 2001, Tracy Markham wrote:
>
> No-one, not even the Russians are making 12AU7 or any other tubes like
> that. So if your building a QRP rig there are NO new tubes being made.
>
> If your building a KW amp then Eimac and the Russians can help, but this
> has no place on QRP-L.
>
>
>> What - the Russians and Chinese are not making them any more???? Eimac don't
>> make tubes no more???
>>
>> Tracy N4LGH
>>
>> -----Original Message-----
>> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
>> Karl F. Larsen
>> Sent: Wednesday, December 19, 2001 9:14 PM
>> To: Low Power Amateur Radio Discussion
>> Subject: Re: re tubes
>>
>>
>> Mark just trying to save a lot of people a big waste of time and some
>> nasty shocks. Tubes except for 50,000 watts up are dead! No-one makes them
>> any more!
>>
>>
>> On Wed, 19 Dec 2001, Mark Gilger wrote:
>>
>>> Karl, you can't win this one, so best let it go. Tubes are here to stay
>> and
>>> will always have a place in our QRP world. Long live the tube.....
>>>
>>> Mark
>>>
>>> At 02:44 PM 12/19/2001 -0700, Karl F. Larsen wrote:
>>>
>>>> No one has said anything that changes my mind. In 1957 while
>>>> getting my BSEE I was trained in tubes in the classroom and study hall,
>>>> but in Lab we had a graduate working at Texas Instruments and he sent the
>>>> college "Care Packages" that had 100's of transistors in it.
>>>>
>>>> At that time my Ham rig was a Heath DX-100 with sideband slicer,
>>>> and a 2-b reciever. All tubes and on a hot day I hated the stuff. Often
>>>> the DX-100 would develop a problem that was fixed with a new tube.
>>>>
>>>> In Lab we learned that you could build a counter faster than a
>>>> 12AU7 and it disipated no real heat with transistors. But we had no power

>>>> transistors then so it was hard to make even 5 watts out. The transistors
>>>> of the late 1950's were great but didn't give a hint of things to come.
>>>>
>>>> I built a super-regen 3 transistor reciver that worked great.
>> And
>>>> a 2 watt crystal controled transmitter not unlike the TT-2 of today.
>> Tubes
>>>> were going out. You still bought tube type TV sets but ALL radios were
>>>> transistor and cheap batteries lasted for many hours.
>>>>
>>>> In 2000 Yeasu built the FT-817 which is all surface mount
>>>> components and lots of integrated circuits and a few transistors and
>>>> relays. It cost about the same as the DX-100 and 2-A reciever, but it
>>>> works so much better it is just amazing!
>>>>
>>>> If you have never owned anything with tubes in it count yourself
>>>> lucky. I recall trying to build a low noise receiver amp with tubes.
>> Using
>>>> special tubes that ran red hot you could get a 2 DB noise figure. Today
>>>> buy any nice FM radio and the system noise level will be well below 1 DB!
>>>> Production!
>>>>
>>>> --
>>>> Yours Truly,
>>>>
>>>> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
>>>> <http://www.zianet.com/k5di/>
>>>
>>> []
>>> Mark Gilger, WB0IQK
>>> Phone 330-658-5035
>>> Fax 330-658-5036
>>>
>>>
>>
>> --
>> Yours Truly,
>>
>> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
>> <http://www.zianet.com/k5di/>
>>
>>
>>
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> --
> Yours Truly,
>

> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
> <http://www.zianet.com/k5di/>
>

Date: Fri, 21 Dec 2001 17:42:21 -0700 (MST)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-canada@neale.gpfn.sk.ca, qrp-1@lehigh.edu
Subject: [115633] Holiday Propagation/Solar
Message-ID: <Pine.SUN.4.10.10112211723550.6723-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,
I'm leaving on a week long trip shortly, so figured I better post something now for those interested in the propagation prospects over the holidays.

Solar flux has been 200+ for some time, with numbers in the 220-250 range expected over the next week. This means there is plenty of good ionization for the higher bands, including 10M. 10M is almost always open during daylight hours with fluxes above 200. If you don't hear anything, it's usually because nobody else is on. 10M has been a disappointment this solar cycle ... not because of poor propagation ... but outright lack of activity. But lots of hams, including DX, tend to get on the air over the holidays, so 10M is good band to checkout over the next week. The propagation is there, but are the hams?

The relatively high solar flux means good conditions 30M through 15M, with 15M staying open a bit past sundown, and of course 20 and 30M around the clock.

There have been no major disturbances on the sun lately, so there are no CME's or shockwaves or other nasty things heading our way. As a result, 40M will remain in pretty good shape over the next week.

In short, pretty good bands should you be fortunate enough to suddenly find yourself with a new toy next week. Heck, pretty good bands even if you decide to light off that 6L6, with or without MOPA buffering :-)

I apologize for my lack of activity on qrp-1 lately, but work demands have been very high lately. We are designing the upgrade to the VLA electronics, called the Expanded VLA (EVLA), and the preliminary design review is in January (only about a 2 month design cycle). Lots of long hours and homework. For those so interested, I am designing the upconverters for P, L, S, C, and Ku bands to X-band (basically

continuous tuning from 300MHz to 8 GHz, converted to 8-12GHz IF) and a couple of other modules. The upconverter for the 74 MHz water vapor receiver is the closest thing I've seen to HF lately :-). But do intend on getting on the air a bit while mobiling/traveling around this next week through NM, CO and AZ.

So to ALL on QRP-L, my best wishes and regards for a nice and enjoyable holiday week.

72, Paul NA5N

Date: Fri, 21 Dec 2001 19:59:13 -0500
From: Jim Campbell <jim-c@nc.rr.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [115634] RE: Cathode Keying Voltage
Message-ID: <3C23DAE1.C8543B7D@nc.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

After reading of someone's actually measuring the voltage across the key contacts in two cathode-keying rigs, a question occurred to me. The voltage reading was done with a high-impedance voltmeter. When you accidentally get some parts of your anatomy across the same contacts, the circuit parameters change. There is no longer an open circuit across the contacts.

I just tried measuring the resistance between my thumb and index finger using an autoranging multimeter. The readings were quite high (several megohms). Could the person doing the original open-circuit voltage measurement try the same thing with perhaps a 4-meg resistor across the key contacts. I really don't know what to expect about the voltage across the resistor, but would like to know to settle my curiosity.

Thanks & 72,

Jim Campbell
W4BQP

Date: Fri, 21 Dec 2001 19:11:50 -0600
From: <jfox6@houston.rr.com>
To: "QRP" <qrp-l@lehigh.edu>

Subject: [115635] nostalgia
Message-ID: <002101c18a85\$a47b1de0\$9902a8c0@houston.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I can remember when the VFO was called an
" Electron coupled Oscillator."..... Bruce????
73 - and a Merry Christmas to all!!
foxy

jfox6@houston.rr.com
<http://www.qsl.net/w5hir>

Date: Fri, 21 Dec 2001 17:07:37 -0500
From: "Jim Stamper" <jstamper@shentel.net>
To: <ki3r@yahoo.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115636] Re: Cathode keying voltage?
Message-ID: <000101c18a88\$8f56cba0\$92586fcc@jim>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Tom Popovic wrote:

> It reminds me of an occurance in my youth where I
> borrowed my buddy's homebrew x-mtr. I thought I
> smelled something cooking so I leaned forward to put
> my schnoz closer to the transmitter. I didn't realize that
> my hand was on one side of the J-38. Pow !!!!! I did
> smell something the next instantmy nose. Well the
> burn mark at the end blended in with the acne so all
> was well.

Back in '56 one of my college professors found out I was trying to become a ham. UK had tons of surplus radio equipment and he gave me a command set transmitter to convert. (Cathode keyed a pair of parallel 1625's with 600 v. on the plates using a J-38 which he also gave me.)

As he handed me the ARC-5 he said, "If they ever discover a cure for acne, ham radio will disappear in a generation."

jim-

KG4LDY
James H. Stamper
519 Park Avenue
Woodstock, VA 22664-1260
540-459-8350

Date: Fri, 21 Dec 2001 19:44:53 -0600
From: "K5XU, Mike Duke" <k5xu@netdoor.com>
To: <qrp-1@lehigh.edu>
Subject: [115637] Going Price for Cushcraft R7
Message-ID: <017e01c18a8a\$51c6fd80\$e6c794d0@k5xu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've located an R7 in good condition. What's a reasonable price\?

Mike Duke, K5XU, President
American Council of Blind Radio Amateurs

Date: Fri, 21 Dec 2001 19:51:04 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <WE7X@aol.com>
Cc: <qrp-1@Lehigh.EDU>
Subject: [115638] MOPA
Message-ID: <006901c18a8b\$1de022c0\$4e100a0a@rohredt2000>

That is Master Oscillator, Power Amplifier. The Heath AT1, the DX 20, 35, 40, etc. and many of the Novice circuits were of this type, an oscillator tube followed by an amplifier tube. This was a revolutionary more stable design over the modulated oscillators, or keyed oscillators of early tube days.

72,
Stuart K5KVH

Date: Fri, 21 Dec 2001 17:53:01 -0800
From: "Mike Silva" <mjsilva697@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [115639] Re: Cathode keying voltage?
Message-ID: <00bb01c18a8b\$64464aa0\$6bfbb3d1@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I would expect the voltage to be about what it takes to cut off the tube, since the situation is just an extreme case of cathode biasing. Assuming the control grid is at DC ground, the voltage between the cathode and ground is whatever it takes to bias the tube to conduct the very small cathode current flowing thru the meter (or the agitated operator!).

73,
Mike, KK6GM

----- Original Message -----

From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, December 21, 2001 9:07 AM
Subject: RE: Cathode keying voltage?

> Alright, enough's enough. You OT's that used a triode for a baby bottle
> oughta know better. I'm sure cathode keying voltage runs only about 15%
> of
> B+ voltage. I'm sure I checked them quantitatively (measured) and
> qualitatively (got shocked) many times in the past.
>
> But rather than rely on my memory, I just dug out a couple of cathode
keyed
> boatanchors from the attic and measured them. My hallicrafters HT-40 has
a
> B+ voltage of 559 VDC and voltage on the key is 68.8 VDC. That's 12.3%.
> My 6146 "single tube novice transmitter" from the '57 handbook has a B+
of
> 640 VDC and 122 VDC on the key. That's 19%--a little higher than I
> expected but nowhere near full B+.
>
> Also, I don't see cathode keying as being current limited. If your plate
> meter says 125 ma, it's going through the key.
>
> Mind you, I'm not saying getting zapped by 70 to 122 VDC is a good thing.
> But if memory serves, I've had grid block voltage get my attention also.

> Can't remember what's typical, but it can be over 50 volts, right?
>
> Maybe a technical guy or physicist in the group can explain why we get
what
> we do on the open cathode. I guess the electron cloud probably doesn't
> offer much resistance. And you've got the plate with over 500 volts at
the
> outside. But moving inward, you may have a grounded suppressor grid, then
> a screen a 150 volts or so, then a control grid with negative voltage.
All
> of those grids keep the full B+ from being felt at the cathode.
>
> 72 and keep up the tube-talk,
>
> Nick, WA5BDU
>
> I've been kissed by the cathode and lived to tell the tale.
>
>
> >but virtually the entire B+
> >voltage appears across the open key contacts.

Date: Fri, 21 Dec 2001 18:09:51 -0800
From: "Mike Silva" <mjsilva697@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [115640] Re: Cathode keying voltage?
Message-ID: <00cf01c18a8d\$bde7ee40\$6bfbb3d1@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I was curious about the higher voltage you reported on the 6146 rig so I took a look at the schematic (<http://www.qsl.net/n6ev/57-174S.jpg>) and think I can see the reason why. The screen grid is supplied through a dropping resistor from the full plate B+. With almost no cathode (hence screen) current flowing the screen voltage will rise to the full plate voltage. This means the bias has to negate the full plate voltage. Given the g1-g2 mu factor of the 6146 (4.5), the cutoff voltage works out to about $640 / (4.5+1)$ or 116V. Close enough -- I'm convinced! So I guess the lesson is that if you want low voltage across your cathode-circuit key, use a tube that takes a low screen voltage and/or has a high g1-g2 mu factor, and supply the screen from a separate low-voltage supply, or a resistive divider from the plate supply.

73,
Mike, KK6GM

----- Original Message -----

From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, December 21, 2001 9:07 AM
Subject: RE: Cathode keying voltage?

> Alright, enough's enough. You OT's that used a triode for a baby bottle
> oughta know better. I'm sure cathode keying voltage runs only about 15%
of
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> expected but nowhere near full B+.
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> Also, I don't see cathode keying as being current limited. If your plate
> meter says 125 ma, it's going through the key.
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the
> outside. But moving inward, you may have a grounded suppressor grid, then
> a screen a 150 volts or so, then a control grid with negative voltage.
All
> of those grids keep the full B+ from being felt at the cathode.
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> 72 and keep up the tube-talk,
>
> Nick, WA5BDU
>
> I've been kissed by the cathode and lived to tell the tale.

>
>
> >but virtually the entire B+
> >voltage appears across the open key contacts.

Date: Fri, 21 Dec 2001 18:13:50 -0800
From: "Mike Silva" <mjsilva697@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [115641] Re: What about the 6L6?
Message-ID: <00d901c18a8e\$4c628a40\$6bfbb3d1@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

There are a couple of rigs here:

<http://www.qsl.net/n6ev/Glowbug.html>

and here:

<http://www.geocities.com/CapeCanaveral/Hall/8701/hamlynx/hamtube.htm>

Don't just look for 6L6 rigs -- most single-tube pentode or beam-power rigs will be similar.

73,
Mike, KK6GM

----- Original Message -----
From: "Mark Fancher" <mmfancher@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, December 21, 2001 9:45 AM
Subject: Re: What about the 6L6?

> I happen to have one of these tubes. Any info on a tube transmitter
> circuit? I'd love to build my first.

>
> Mark, AA4MF
> ----- Original Message -----
> From: "Bruce Muscolino" <w6toy@erols.com>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Thursday, December 20, 2001 6:57 PM
> Subject: Re: What about the 6L6?

>
>
> > Ah nostalgia! I think the reason you don't hear much about the 6L6
> > these days is that they are hard to come by and snapped up by
> > audiophiles! The 6L6 made a fine rig. I used one in a Heathkit AT-1.
> > Put out around 20 watts on all bands except 10 meters where it doubled
> > in the final and only put out 10 watts. There were a number of fixed
> > for that too! There are literally hundreds of circuits for the old girl
> > in QST. Build one and go for it! And I remember 4 cent QSL postage!
> >
> > 73
>

Date: Fri, 21 Dec 2001 18:17:15 -0800
From: "Mike Silva" <mjsilva697@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [115642] Re: Cathode keying voltage?
Message-ID: <00df01c18a8e\$c6c25c20\$6bfbb3d1@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Alright, so I missed the voltage divider in the screen :-(Gee, and the numbers worked out so perfectly!

----- Original Message -----
From: "Mike Silva" <mjsilva697@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, December 21, 2001 6:09 PM
Subject: Re: Cathode keying voltage?

> I was curious about the higher voltage you reported on the 6146 rig so I
> took a look at the schematic (<http://www.qsl.net/n6ev/57-174S.jpg>) and
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> screen) current flowing the screen voltage will rise to the full plate
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> 640 / (4.5+1) or 116V. Close enough -- I'm convinced! So I guess the
> lesson is that if you want low voltage across your cathode-circuit key,
use
> a tube that takes a low screen voltage and/or has a high g1-g2 mu factor,

> and supply the screen from a separate low-voltage supply, or a resistive
> divider from the plate supply.
>
> 73,
> Mike, KK6GM
>
> ----- Original Message -----
> From: "Nick Kennedy" <nkennedy@tcainternet.com>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Friday, December 21, 2001 9:07 AM
> Subject: RE: Cathode keying voltage?
>
>
> > Alright, enough's enough. You OT's that used a triode for a baby bottle
> > oughta know better. I'm sure cathode keying voltage runs only about 15%
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> > B+ voltage. I'm sure I checked them quantitatively (measured) and
> > qualitatively (got shocked) many times in the past.
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> > offer much resistance. And you've got the plate with over 500 volts at
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> >
> >
> > >but virtually the entire B+
> > >voltage appears across the open key contacts.
>

Date: Fri, 21 Dec 2001 21:34:14 -0500
From: "George Heron N2APB" <n2apb@erols.com>
To: "QRP-L" <qrp-l@lehigh.edu>, <njqrp@njqrp.org>
Subject: [115643] Re: Build a Logging Frequency Counter
Message-ID: <001201c18a91\$29ccc060\$1cc53ad0@GHLTP4>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Tony -

You asked how to get the newer "logging frequency counter" software from the project's website into your existing PSK31 Beacon board...

As with almost all flash-based memory microcontrollers, one needs to "burn" a new program into the chip's flash. This is indeed true with the Scenix SX-28 micro used in the Beacon (and logging counter) project.

OPTION #1: In order to program our new program into the SX chip, one can purchase and use a \$79 board called the "SX Blitz" from Parallax.com. Connected up to the serial port of the PC and using free software, it places the new program into the chip's flash memory. I've placed a better link for this programming information in the web page article, pointing to the Digital QRP Homebrewer page I do for QRP Quarterly. In the last column I had a detailed review of the Beacon board, its program, and ways to program the device. You can see a list of resource links and step-by-step information at
<http://www.njqrp.org/digitalhomebrewing/psk31beacon/psk31beacon.html>

OPTION #2: You can send me your SX chip for reprogramming, and I'll return

it by mail for only the cost of mailing.

OPTION #3: I can program another SX chip and mail it to you with the only charge being that for the controller and mailing.

73, George N2APB
n2apb@amsat.org

=====

> George,
> When we've downloaded the code, how do we get it into our beacon?
>
> Happy Christmas all
> Tony - G4WIF

Date: Fri, 21 Dec 2001 22:03:33 -0500
From: Paul Womble <pwomble1@tampabay.rr.com>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [115644] CQ Saipan
Message-ID: <3C23F805.CECE699@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Anyone on the list in KH0?

Please contact me directly via email. I've got a couple of questions.

Thanks!

Paul K4FB

Date: Fri, 21 Dec 2001 20:02:42 -0700
From: Earl Murphy <earlmurf@telusplanet.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [115645] FOX--VE6EX FOX LOG "First Pass"
Message-ID: <3C23F7D1.E50960B@telusplanet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang:

I'm posting this for Dan (VE6EX)...ANY CORRECTIONS, please EMAIL Dan
DIRECT

<ve6ex@yahoo.ca>

120q, total count, N9NE Todd first in the pile.

Dan VE6EX..

December 20 2001 General QSOs VE6EX
Fox Night

02:02	N9NE	559	WI	TODD	5W
02:02	N1LN	559	TX	BRUCE	5W
02:03	K0FRP	579	CO	AL	5W
02:04	W0UFO	559	MN	MERT	5W
02:04	K7TQ	559	ID	RANDY	5W
02:05	KB7WW	559	OR	ART	5W
02:06	VE3FAL	559	ONT	FRED	5W
02:06	VE6JAZ	599	AB	ROB	1W
02:07	N2CQ	559	NJ	KEN	5W
02:08	N4ROA	559	VA	DAN	5W
02:09	K0PC	559	MN	PAT	5W
02:09	KL7IXI	579	WA	MIKE	3W
02:10	WD4MSM	559	IN	BARRY	5W
02:11	WA9TZE	559	WI	JIM	5W
02:12	W6EU	599	CA	JIM	2W
02:13	K5ZTY	559	TX	BILL	5W
02:14	NQ7X	559	AZ	FLOYD	5W
02:14	N3BJ	559	VA	ALAN	5W
02:15	AA50	559	LA	VERN	5W
02:16	KQ5U	559	TX	TERRY	5W
02:17	N0AA	559	MN	SCOTT	5W
02:18	K3PH	599	PA	BOB	5W
02:18	N2WW	559	CO	LARRY	5W
02:19	AF4PS	559	FL	MAC	3W
02:20	NE7I	599	AZ	JERRY	100
02:21	N1FN	559	CO	ET	5W
02:22	AA7XA	559	OR	FRANK	5W
02:23	N0DSP	559	CO	TOM	5W
02:24	KB9BVN	599	IN	BRIAN	5W
02:25	VE6KG	579	AB	NORM	5W
02:26	KV4EE	559	SC	CRAIG	5W

02:27	K6VNX	559	CA	ARLEN	5W
02:27	N0TK	559	CO	DAN	5W
02:28	W0PWE	559	IA	JERRY	5W
02:29	NK9G	559	WI	RICK	5W
02:30	K9DC	559	IN	DAVE	5W
02:30	W9XU	559	WI	LON	5W
02:31	K9IS	559	WI	STEVE	5W
02:32	VE4WI	559	MB	CRAIG	5W
02:33	AG0T	559	ND	TODD	4W
02:33	WE9K	599	WI	GLENN	5W
02:34	W0CS	559	MO	DAVE	5W
02:35	K4ADI	559	SC	FRANK	5W
02:36	WY1W	559	CT	BUTCH	5W
02:36	W7ILW	559	AZ	WALT	5W
02:37	K5PSH	559	TX	JERRY	5W
02:38	VA6RF	559	AB	EARL	5W
02:38	N4MAP	559	GA	SAM	5W
02:40	W4NJK	559	CA	CHARLIE	5W
02:41	AB1X	559	MA	MARK	100
02:41	WA8WV	599	WV	DAVE	5W
02:42	WV9N	559	OH	RANDY	5W
02:42	K4TJD	559	GA	TOM	5W
02:43	K5DI	559	NM	KARL	5W
02:44	NG7Z	569	WA	PAUL	1W
02:45	WR50	559	TX	DAVE	5W
02:45	N6WG	559	CA	BOB	5W
02:46	N1TP	559	FL	TOM	5W
02:47	K5JHP	559	TX	BILL	5W
02:48	KB9YIG	559	IN	TONY	5W
02:48	N3ZRQ	559	OH	FRANK	3W
02:49	W9JJX	559	IN	AL	5W
02:50	WD7Z	559	NM	DAVE	5W
02:51	W5TB	559	TX	DOC	5W
02:52	N9WW	559	IL	JIM	5W
02:53	AB5XQ	559	AR	BILL	5W
02:53	N9AW	559	WI	JERRY	5W
02:54	N4IM	559	TX	COLE	5W
02:55	N0HRL	559	MN	KEN	5W
02:55	VE5RC	559	SK	BRUCE	5W
02:56	NM5M	559	TX	ERIC	5W
02:58	KC5LD	559	TX	DAN	5W
02:59	W5USJ	559	TX	CHUCK	5W
02:59	KC1FB	559	TN	JIM	5W
03:00	KG6CYN	559	5W	TREV	CA

03:02	AF4LQ	559	KY	MIKE	5W
03:03	KC0ATC	559	CO	CHRIS	3W
03:05	K8CV	559	MI	WALT	5W
03:07	K4BYF	559	FL	JACK	5W
03:07	K8KFJ	599	WV	GARY	5W
03:08	W9HL	559	IL	RANDY	5W
03:09	WA8BXN	559	OH	MIKE	5W
03:11	N0RC	559	CO	ROD	5W
03:12	W8VJW	559	MI	JOHN	5W
03:12	K7EL	559	OR	DAVE	5W
03:14	KC0GXX	559	NE	TOM	3W
03:14	N0UR	579	MN	JIM	5W
03:15	K5DW	559	TX	DON	5W
03:15	N2TNN	559	NJ	DEAN	2W
03:16	KJ0C	559	MO	JIM	5W
03:17	KJ0C	559	MO	JIM	5W
03:18	N0TU	559	CO	STEVE	5W
03:18	W1GL	559	MN	TED	5W
03:19	K3IU	559	RI	KEN	5W
03:20	W0JOE	559	MO	JOE	5W
03:21	AD2A	599	NJ	DAVID	5W
03:22	KD5KXF	559	TX	MIKE	5W
03:22	K90Z	599	IL	BRUCE	5W
03:23	KI0II/M	559	CO	RON	5W
03:24	AC5JH	559	MS	TOM	5W
03:25	AD6JY	559	CA	DAN	5W
03:28	AJ4AY	579	AL	JAY	5W
03:31	WB6BWZ	559	GA	MATT	5W
03:32	N2AE	579	NY	JAN	5W
03:34	NU8S	559	OH	DENNIS	5W
03:36	KV2X	559	NY	TOM	5W
03:38	NX8C	559	MI	NEIL	5W
03:40	WB8WTU	559	OH	DENNIS	2W
03:42	KG4LDY	559	VA	JIM	5W
03:43	N1TP	559	FL	TOM	5W
03:44	K5JHP	559	TX	BILL	5W
03:45	N0IT	559	MO	DAVE	5W
03:49	KK5RED	599	TX	DAN	5W
03:51	W3SMK	559	NJ	STEVE	5W
03:53	NK6A	559	CA	DON	5W
03:55	KC9LC	559	VA	RANDY	5W
03:57L	W0RW	579	CO	PAUL	5W
03:59	AA0B	559	MO	ROY	1W
03:59	K4FB	559	FL	PAUL	5W

03:59 VE6EX 559 AB DAN 5W

Date: Fri, 21 Dec 2001 21:25:16 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'jim-c@nc.rr.com'" <jim-c@nc.rr.com>,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115646] RE: Cathode Keying Voltage
Message-ID: <01C18A65.FC608B00.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

My measurements were made with a DVM having a 10 M-Ohm resistance. I tried the HT-40 again with and without a 4.7M resistor as a load. The voltage was unchanged at 68.8 VDC. However, looking at the circuit I must tell now that there's a 47K resistor permanently connected from cathode to ground.

So the 4.7M was swamped by the parallel 47K load and no doubt the open circuit voltage is pulled down a bit by that load. Possibly without it, the voltage would be more like on the 6146 homebrew TX.

On the 6146, open circuit was 119.7 VDC. With the 4.7M load, it dropped to 118.1 VDC, but this ain't high precision since nothing is regulated here.

So I tried it with a 100K load. Now voltage dropped to 107 VDC. So I don't think the source resistance is extremely high (megohms). If it had been even as high as 100K, the voltage would have dropped to 50%, right?

Since the thing will source about 100 to 150 ma, the resistance can't be all that high.

Moisten your fingertips and try that body resistance thing again. I bet it'll drop dramatically

72--Nick, WA5BDU

-----Original Message-----

From: Jim Campbell [SMTP:jim-c@nc.rr.com]
Sent: Friday, December 21, 2001 6:59 PM
To: Low Power Amateur Radio Discussion
Subject: RE: Cathode Keying Voltage

After reading of someone's actually measuring the voltage across the key contacts in two cathode-keying rigs, a question occurred to me. The voltage reading was done with a high-impedance voltmeter. When you accidentally get some parts of your anatomy across the same contacts, the circuit parameters change. There is no longer an open circuit across the contacts.

I just tried measuring the resistance between my thumb and index finger using an autoranging multimeter. The readings were quite high (several megohms). Could the person doing the original open-circuit voltage measurement try the same thing with perhaps a 4-meg resistor across the key contacts. I really don't know what to expect about the voltage across the resistor, but would like to know to settle my curiosity.

Thanks & 72,

Jim Campbell
W4BQP

Date: Fri, 21 Dec 2001 22:37:50 -0500
From: "NZ8J" <timcook@erinet.com>
To: <qrp-l@Lehigh.EDU>
Subject: [115647] WTB: TS-570D/S (G) or IC-746
Message-ID: <010101c18a9a\$083d0d20\$6122fea9@nec>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone have either of the rigs for sale please send detail such as condition, options, price, age, etc.. Looking for a late serial number mint radio.. prefer with a cw filter....

Thanks
Happy Holidays
Tim
NZ8J

Date: Fri, 21 Dec 2001 21:52:28 -0600
From: "Charles" <cvest@hit.net>
To: <nkennedy@tcainternet.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [115648] Re: Cathode Keying Voltage
Message-ID: <000201c18a9c\$145aa2a0\$fb13ecd8@hppav>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

While any of us that have experienced the wake up call from the cathode

keying voltage I find another area of major concern to me when I look at many of the simple tube transmitter schematics shown on the net that use a pi network in the output. Many of them fail to include an rf choke to ground at the antenna jack. Believe me this is cheap life insurance in the event of a shorted plate coupling capacitor and putting full amplifier B+ to the antenna connector and beyond !!
...Charlie...KC0EH...

Date: Fri, 21 Dec 2001 22:55:56 -0500
From: Jim Campbell <jim-c@nc.rr.com>
To: nkennedy@tcainternet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [115649] Re: Cathode Keying Voltage
Message-ID: <3C24044C.18ED0187@nc.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Nick,

Thanks for running the experiment for me. I'm surprised that there was so little change in the voltage. I wasn't shocked all that often back in the good old tube days, but when I was it sure felt like a lot more. I learned to be ultra-cautious with what I touched. I was so conditioned to be safe that when I finally did switch to working with transistorized circuits it took me a long time to stop holding the circuit boards by the edge. But with transistors at work and tubes in my rigs at home I couldn't let my guard down anytime.

I did do the moisten finger-tips experiment and the reading ranged from 0.5 to 0.6 Meg.

Thanks again.

Jim
W4BQP

Nick Kennedy wrote:

>
> Moisten your fingertips and try that body resistance thing again. I bet
> it'll drop dramatically
>
> 72--Nick, WA5BDU

Date: Fri, 21 Dec 2001 23:07:53 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: Dave Fouchey <dafouchey@home.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [115650] Re: What about the 6L6?
Message-ID: <3C240719.B7E41A76@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dave,

They are very reputable. The URL is that of Antique Electronics Supply in Arizona. They are a source for many antique radio parts, tubes included. If they say it works, it works!

73

Date: Fri, 21 Dec 2001 23:12:09 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: jfox6@houston.rr.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [115651] Re: nostalgia
Message-ID: <3C240819.5176461D@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Foxy,

You are having a senior moment! An electron coupled oscillator is much more than just a VF0. It is the name given the type of oscillator. They are used for many other things besides a VF0! Merry Christmas!

73

Date: Fri, 21 Dec 2001 18:13:33 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: tracy@bytemark.com
Cc: qrp-l@lehigh.edu
Subject: [115652] RE: testing crystal finters

Message-ID: <3.0.6.32.20011221181333.007a5c60@mailhost.ncia.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

>

>While I agree that it's probably easiest to just build a receiver and put my
>filter in and use it, from an education and 'tinkering' point of view...

Yes, to effectively use the audio Spectrograph, one would need to convert to audio first. A diode detector wouldn't do it, at least not with a noise source. With a diode detector one would have to frequency sweep the filter (with a fairly significant signal) and plot the DC voltage response.

But a simple "DC" receiver i.e., SA612 with differential input audio amp on it's output would do the trick, as Dave, K1SWL suggested. For the LO, one would use the proper BFO xtal for the filter or an external LO source.

In fact, this simple two chip DC receiver would make a handy piece of test gear to have around, to extend the range of the audio Spectrograph software into RF. Only disadvantage is you can only see 30-40 Khz slices of the spectrum at a time.

For spectrograph software, there is a very nice program called "Analyzer 2000" by Brown Bear Software, an outfit out of Germany. I forget the URL for downloading it, but a google search should turn it up quick enough. This program does just about everything you could think of, including PSK-31 and CW decode of multiple signals. However, the trial download program has some annoying limitations, as it will shut down after 30 minutes of use and takes longer to restart each time you use it. But that's long enough to take a quick look at a filter.

72,

Steve, KD1JV

"Melt Solder"

White Mountains of New Hampshire

<http://www.qsl.net/kd1jv/>

Date: Fri, 21 Dec 2001 20:17:19 -0800

From: "blinn" <blinn@smgazette.com>

To: <nn1g@earthlink.net>,

"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [115653] Re: ARRL and Band Threat

Message-ID: <007701c18a9f\$8d693500\$ab69f040@blinn>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My goodness! the way Uncle Brucie has been spouting off, I thought he was a "Real" authority and an old timer.... but being licensed only since '56 just qualifies him to be a "Crotchety Old Man!" (Now Bruce... don't take this seriously. I'm only kidding, kinda.)

>-----Original Message-----

>From: Bruce Muscolino <w6toy@erols.com>
>To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
>Date: Thursday, December 20, 2001 8:18 AM
>Subject: Re: ARRL and Band Threat

>

>

>

>

>Bill,

>

>When? In what lifetime? And in what region? As long as I have been
>licensed (since 1956) and as long as I have been a SWL (since 1953) it
>has been as it is today.

>73

>

>

>

>

--

Date: Fri, 21 Dec 2001 20:34:34 -0800
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>
Subject: [115654] Tubes
Message-ID: <000501c18aa1\$f537d810\$cc9ccd18@RAMcCarty>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

Wow! I haven't seen this much activity in quite some time on Qrp-L.
There is always a good deal of discussion going on but I have seen a
decided jump in the numbers of posts since this thread began. Right-on!

That being said, perhaps it is time for one of our clubs to devise another skills test, using tube type Qrp rigs (Glow-bugs), in a portable setting? Make it battery operated affair, no generators. Whatdyathink?

Roger KD6CC

Date: Fri, 21 Dec 2001 22:33:38 -0600
From: "Len Revelle" <lenrev@ameritech.net>
To: <blinn@smgazette.com>,
 "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [115655] RE: Tube Keyer?
Message-ID: <003701c18aa1\$d3d676e0\$6401a8c0@n9ij>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Check out the ARRL Handbook from the early and mid-60's. I recall a 3-4 tube job as well as the infallible W9TO from that era.

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf
Of blinn@smgazette.com
Sent: Friday, December 21, 2001 12:56 PM
To: Low Power Amateur Radio Discussion
Subject: Tube Keyer?

Nearly 30 years ago a friend gave me a tube type keyer, seems like there were two or maybe three tubes, since it had a built in regulated power supply. Anyone still have one of these old things? I used mine for a year or so and remember that the timing was difficult to keep in tune. Now, just for nostalgia reasons, I'd like to have another working one to play with. Does anyone have a schematic or other information they would share?

Thanks,
Bill - WA7TQK

--

Date: Fri, 21 Dec 2001 23:41:29 -0500
From: "David Porter" <aa3ur@home.com>
To: <mjsilva697@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115656] Re: Cathode keying voltage?
Message-ID: <00b801c18aa2\$ed1cb0a0\$927ba8c0@jamison1.pa.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It's great to see my old novice rig getting some bandwidth! I never worried about the keying voltage too much because I used a Navy Flameproof key. It was completely insulated, so there was no shock hazard. I did wrap the key click filter with several layers of electrical tape. I've never understood why most keys are just "out there." At least one lead has to have some voltage on it. I guess it's a throwback to the spark transmitters keyed by "real men."

By the way, the keying did burn the contacts on the Flameproof key enough so that when I tried to use the key on a DSW-40 with a PIC debouncing the key, it would completely debounce an occasional dit. Cleaning the contacts of the Flameproof key is a nearly impossible task, but I did accomplish it. Originally purchased circa 1957 for \$1.87 in an Army Navy Surplus store in Coral Gables, Florida.

David Porter AA3UR
aa3ur@home.com

----- Original Message -----
From: "Mike Silva" <mjsilva697@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, December 21, 2001 9:17 PM
Subject: Re: Cathode keying voltage?

> Alright, so I missed the voltage divider in the screen :-(Gee, and the
> numbers worked out so perfectly!

>
> ----- Original Message -----
> From: "Mike Silva" <mjsilva697@earthlink.net>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Friday, December 21, 2001 6:09 PM

> Subject: Re: Cathode keying voltage?
>
>
> > I was curious about the higher voltage you reported on the 6146 rig so I
> > took a look at the schematic (<http://www.qsl.net/n6ev/57-174S.jpg>) and
> > think I can see the reason why. The screen grid is supplied through a
> > dropping resistor from the full plate B+. With almost no cathode (hence
> > screen) current flowing the screen voltage will rise to the full plate
> > voltage. This means the bias has to negate the full plate voltage.
Given
> > the g1-g2 mu factor of the 6146 (4.5), the cutoff voltage works out to
> > about
> > $640 / (4.5+1)$ or 116V. Close enough -- I'm convinced! So I guess the
> > lesson is that if you want low voltage across your cathode-circuit key,
> > use
> > a tube that takes a low screen voltage and/or has a high g1-g2 mu
factor,
> > and supply the screen from a separate low-voltage supply, or a resistive
> > divider from the plate supply.
> >
> > 73,
> > Mike, KK6GM
> >
> > ----- Original Message -----
> > From: "Nick Kennedy" <nkennedy@tcainternet.com>
> > To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> > Sent: Friday, December 21, 2001 9:07 AM
> > Subject: RE: Cathode keying voltage?
> >
> >
> > > Alright, enough's enough. You OT's that used a triode for a baby
bottle
> > > oughta know better. I'm sure cathode keying voltage runs only about
15%
> > of
> > > B+ voltage. I'm sure I checked them quantitatively (measured) and
> > > qualitatively (got shocked) many times in the past.
> > >
> > > But rather than rely on my memory, I just dug out a couple of cathode
> > keyed
> > > boatanchors from the attic and measured them. My hallicrafters HT-40
> > has
> > a
> > > B+ voltage of 559 VDC and voltage on the key is 68.8 VDC. That's
12.3%.
> > > My 6146 "single tube novice transmitter" from the '57 handbook has a
B+
> > of

> > > 640 VDC and 122 VDC on the key. That's 19%--a little higher than I
> > > expected but nowhere near full B+.
> > >
> > > Also, I don't see cathode keying as being current limited. If your
> plate
> > > meter says 125 ma, it's going through the key.
> > >
> > > Mind you, I'm not saying getting zapped by 70 to 122 VDC is a good
> thing.
> > > But if memory serves, I've had grid block voltage get my attention
> also.
> > > Can't remember what's typical, but it can be over 50 volts, right?
> > >
> > > Maybe a technical guy or physicist in the group can explain why we get
> > what
> > > we do on the open cathode. I guess the electron cloud probably
doesn't
> > > offer much resistance. And you've got the plate with over 500 volts
at
> > the
> > > outside. But moving inward, you may have a grounded suppressor grid,
> then
> > > a screen a 150 volts or so, then a control grid with negative voltage.
> > All
> > > of those grids keep the full B+ from being felt at the cathode.
> > >
> > > 72 and keep up the tube-talk,
> > >
> > > Nick, WA5BDU
> > >
> > > I've been kissed by the cathode and lived to tell the tale.
> > >
> > >
> > > >but virtually the entire B+
> > > >voltage appears across the open key contacts.
> >
>

Date: Fri, 21 Dec 2001 23:55:48 -0500
From: "David Porter" <aa3ur@home.com>
To: <lenrev@ameritech.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115657] Re: Tube Keyer?
Message-ID: <00be01c18aa4\$ecd77f60\$927ba8c0@jamison1.pa.home.com>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

In the early 1960's Florida Skip published the schematic of the Hallicrafter's T0 Keyer. I also got a blue-printed copy of a set of instructions to build a W9TO keyer. This set of instructions had an interesting construction technique. The four 12AU7's (or 5763's if you could get them) were in a line with 20 point tie strips on either side. The heaters were wired and all the other pins were brought out to the appropriate tie strip points. The components were then wired across the tie strips. Simple for construction, terrible for troubleshooting.

I built and re-built this keyer several times. I even tried doing it with dual-triode octal tubes on a large chassis. Nothing worked. I think it was the lack of money when it came time to buy the mercury wetted relay. I couldn't afford a new one, the relays I could pick up at hamfests were probably there because they already didn't work for someone else.

Not too long ago, I picked up an authentic Hallicrafters T0 Keyer. It took a little work, but I got it running and I love it. Well, except for the neon tube relaxation oscillator they use for the sidetone. and there is no dot or dash memory. One thing is kind of neat whenever I use it....My keyer runs more power than my rig!

David Porter AA3UR
aa3ur@home.com

----- Original Message -----

From: "Len Revelle" <lenrev@ameritech.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, December 21, 2001 11:33 PM
Subject: RE: Tube Keyer?

> Check out the ARRL Handbook from the early and mid-60's. I recall a 3-4
> tube job as well as the infallible W9TO from that era.

>

> -----Original Message-----

> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf
> Of blinn@smgazette.com
> Sent: Friday, December 21, 2001 12:56 PM
> To: Low Power Amateur Radio Discussion
> Subject: Tube Keyer?

>

>

> Nearly 30 years ago a friend gave me a tube type keyer, seems like there

> were two or maybe three tubes, since it had a built in regulated power
> supply. Anyone still have one of these old things? I used mine for a
> year or so and remember that the timing was difficult to keep in tune.
> Now, just for nostalgia reasons, I'd like to have another working one to
> play with. Does anyone have a schematic or other information they would
> share?

>
> Thanks,
> Bill - WA7TQK

>
> --
>
>
>

Date: Fri, 21 Dec 2001 20:55:01 -0800
From: "blinn" <blinn@smgazette.com>
To: "Len Revelle" <lenrev@ameritech.net>,
 "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [115658] Re: Tube Keyer?
Message-ID: <026f01c18aa4\$f9f77ba0\$ab69f040@blinn>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Len, thanks for the reply. You are probably right, in that the keyer I had
was perhaps from one of the earlier Handbooks, or perhaps built from a
magazine article. It was given to me by Johnny Seibenthaller, a silent key
for some time and I can't remember his call. He lived in Coeur d'Alene, ID,
the husband of K7UBC, Verda.

Although I don't own any old handbooks, I do appreciate the suggestion.

Regards,
Bill - WA7TQK - North Idaho

--

Date: Sat, 22 Dec 2001 00:11:50 -0500
From: wkhibbert@juno.com

To: qrp-1@lehigh.edu
Subject: [115659] Test, sorry
Message-ID: <20011222.001152.-412451.2.wkhibbert@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I am having problems posting. Just a test to see if I am back in the loop

73, Keith, WB2VUO

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Date: Fri, 21 Dec 2001 21:00:52 -0800
From: "blinn" <blinn@smgazette.com>
To: <aa3ur@home.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115660] Re: Tube Keyer?
Message-ID: <027601c18aa5\$a2d52880\$ab69f040@blinn>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Very interesting, David. I don't believe there was even a sidetone on the one I had and the relay was open. (One of its many problems.)

Thanks.
Bill

-----Original Message-----
From: David Porter <aa3ur@home.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Friday, December 21, 2001 7:57 PM
Subject: Re: Tube Keyer?

>In the early 1960's Florida Skip published the schematic of the
>Hallicrafter's T0 Keyer. I also got a blue-printed copy of a set of
>instructions to build a W9T0 keyer. This set of instructions had an
>interesting construction technique. The four 12AU7's (or 5763's if you
>could get them) were in a line with 20 point tie strips on either side.
The

>heaters were wired and all the other pins were brought out to the
>appropriate tie strip points. The components were then wired across the
tie
>strips. Simple for construction, terrible for troubleshooting.
>
>I built and re-built this keyer several times. I even tried doing it with
>dual-triode octal tubes on a large chassis. Nothing worked. I think it
was
>the lack of money when it came time to buy the mercury wetted relay. I
>couldn't afford a new one, the relays I could pick up at hamfests were
>probably there because they already didn't work for someone else.
>
>Not too long ago, I picked up an authentic Hallicrafters T0 Keyer. It took
>a little work, but I got it running and I love it. Well, except for the
>neon tube relaxation oscillator they use for the sidetone. and there is no
>dot or dash memory. One thing is kind of neat whenever I use it....My
>keyer runs more power than my rig!
>
>
>David Porter AA3UR
>aa3ur@home.com
>
>

--

Date: Fri, 21 Dec 2001 21:56:11 -0800
From: <k7fd@hamhobby.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115661] Season's Greetings to all!
Message-ID: <00d601c18aad\$5bf93ac0\$6401a8c0@John>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Happy Holidays to all that make their home here...

...may your dreams, whether qrp or qro-sized, come true in the coming year!

Season's best,

73 John K7FD
88 Annette N7SG

www.hamhobby.com

Date: Fri, 21 Dec 2001 21:28:36 -0800
From: <K7FD@hamhobby.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115662] Season's Greetings to All!
Message-ID: <001b01c18aa9\$81f3cff0\$6401a8c0@John>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just a quick note to say happy holidays to everyone who makes their home here...

...may your dreams, qrp or qro-sized, come true in the coming year!

Season's Greetings,

73 John K7FD
88 Annette N7SG
www.hamhobby.com

Date: Sat, 22 Dec 2001 00:27:18 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115663] Re: Cathode keying voltage?
Message-ID: <0bee01c18aa9\$538648a0\$7001a8c0@lwrnc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

All this talk about cathode keying... well... what if your tube doesn't have a cathode (directly heated)?

73/72/71! de Brice KA8MAV

Date: Fri, 21 Dec 2001 22:32:52 -0700
From: Roger J Wendell <zeekzilch@juno.com>
To: cqclist@yahoogroups.com, qrp-1@Lehigh.EDU
Subject: [115664] Fantastic Guest Speaker for CQC's Banquet !!
Message-ID: <20011221.223255.-388021.0.zeekzilch@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Saturday evening, February 16, 2002

The Colorado QRP Club is pleased to announce that Arnie Coro (C02KK), of Radio Havana Cuba, will be the guest speaker at our annual banquet. Thanks to the efforts of Rich High (W0HEP), the host of the popular amateur radio program, "DXers Unlimited," has agreed to join us at our annual banquet.

Radio Havana Cuba broadcasts Arnie's program twice each week on the international shortwave bands. Arnie will entertain all of us, hams and non-hams alike, making this annual banquet one to remember.

Plan to attend the CQC Banquet in February. There will be great people, good food and lots of prizes! The number one reason to join us, however, will be to enjoy an evening with our friend, Arnie Coro.

This is the biggest project the club has undertaken to date. We hope you will participate.

The banquet is scheduled for Saturday evening, February 16, 2002. The location and details to be announced on our web page at (<http://www.cqc.org/banquet.htm>) and the various listservers and reflectors. The dinner will be open to all amateurs and friends - watch for additional details or contact our Banquet Chairman:

Brad Mugleston, KI00T
Email: bmug@gwl.com
Phone: 303-752-0138

Roger J. Wendell
CQC Webmaster
<http://www.ZeekZilch.com>

-

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<http://dl.www.juno.com/get/web/>.

Date: 22 Dec 2001 01:04:45 EST
From: Lee Wilson <leesgoofy@usa.net>
To: Low power amateur radio discussion <Qrp-l@Lehigh.edu>
Subject: [115665] {Elmer 101} vfo and freq. counter
Message-ID: <20011222060445.8317.qmail@cpdvgl00.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

Folks

Have assembled the vfo section and need info on where
to hook up a frequency counter have a redio shack unit.
for testing the vfo section. Also what frequency should
I see?.

Thanks All

Lee Wilson

Get free e-mail and a permanent address at <http://www.amexmail.com/?A=3D1=>

Date: Sat, 22 Dec 2001 06:17:33
From: "Mike WA8BXN" <hubby2k@hotmail.com>
To: bdh@cyberbound.net, qrp-1@Lehigh.EDU
Subject: [115666] Re: Cathode keying voltage?
Message-ID: <F114JnbfujRBbuLEGSa000060c6@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

You can always key the center tap of the filament transformer to ground connection!

73/72 - Mike WA8BXN

>All this talk about cathode keying... well... what if your tube doesn't
>have a cathode (directly heated)?

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

Date: Sat, 22 Dec 2001 01:26:36 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: "Mike WA8BXN" <hubby2k@hotmail.com>, <qrp-1@Lehigh.EDU>
Subject: [115667] Re: Cathode keying voltage?
Message-ID: <0d1a01c18ab1\$9c2b1c40\$7001a8c0@lwrnc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The center tap of the filament transformer??? I'm only working with 1.5 volts A+ from a battery.

Here's the schematic I'm working with:
http://www.sky.net/~swheaton/bn1_sch1.gif

73/72/71! de Brice KA8MAV

----- Original Message -----
From: "Mike WA8BXN" <hubby2k@hotmail.com>
To: <bdh@cyberbound.net>; <qrp-1@Lehigh.EDU>
Sent: Saturday, December 22, 2001 6:17 AM

Subject: Re: Cathode keying voltage?

>
> You can always key the center tap of the filament transformer to ground
> connection!
> 73/72 - Mike WA8BXN
>
>
> >All this talk about cathode keying... well... what if your tube doesn't
> >have a cathode (directly heated)?
>
>
>
>
> -----
> Send and receive Hotmail on your mobile device: <http://mobile.msn.com>
>

Date: Sat, 22 Dec 2001 00:48:20 -0600
From: "George, W5YR" <w5yr@att.net>
To: bdh@cyberbound.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115668] Re: Cathode keying voltage?
Message-ID: <3C242CB4.8EAD873B@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Usual approach is to use a center-tapped filament transformer and key the center tap of the secondary to ground.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All incoming and outgoing email virus-checked by Norton Anti-Virus 2002

"Brice D. Hornback" wrote:

>
> All this talk about cathode keying... well... what if your tube doesn't have
> a cathode (directly heated)?

Date: Sat, 22 Dec 2001 00:44:39 -0800
From: "Mike Silva" <mjsilva697@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [115669] Re: Cathode keying voltage?
Message-ID: <016101c18ac4\$e504ba80\$6bfb3d1@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

In that case key the B- between the B battery and the filament circuit.

73,
Mike, KK6GM

----- Original Message -----

From: "Brice D. Hornback" <bdh@cyberbound.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, December 21, 2001 10:26 PM
Subject: Re: Cathode keying voltage?

> The center tap of the filament transformer??? I'm only working with 1.5
> volts A+ from a battery.

>
> Here's the schematic I'm working with:
> http://www.sky.net/~swheaton/bn1_sch1.gif

>
> 73/72/71! de Brice KA8MAV

> ----- Original Message -----

> From: "Mike WA8BXN" <hubby2k@hotmail.com>
> To: <bdh@cyberbound.net>; <qrp-1@Lehigh.EDU>
> Sent: Saturday, December 22, 2001 6:17 AM
> Subject: Re: Cathode keying voltage?

>

>

> >

> > You can always key the center tap of the filament transformer to ground
> > connection!

> > 73/72 - Mike WA8BXN

> >

> >

> > >All this talk about cathode keying... well... what if your tube doesn't
> > >have a cathode (directly heated)?

> >
> >
> >
> >
> >
> > -----
> > Send and receive Hotmail on your mobile device: <http://mobile.msn.com>
> >
>

Date: Sat, 22 Dec 2001 01:50:03 -0700
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@lehigh.edu
Subject: [115670] Phone spectrum land grab, as expected
Message-ID: <3C23E6CB.31575.37A50F6@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

ARRL to act on another flawed survey?

According to The ARRL Letter Vol. 20, No. 50, December 21, 2001, the ARRL Novice Spectrum Study Committee has recommended that the ARRL petition the FCC to eliminate the Novice CW subbands and ... " turn most of the former novice bandwidth over to phone operation and give the Novice/Tech Plus operators access to all but the 25KHz wide Extra class CW allocations on 80, 40 and 15. On 10M the phone segments would be unchanged but Novice/Tech Plus operators would be given access to the entire CW spectrum all the way down to 28.0.

The proposal is being presented by the committee to the ARRL board at the January meeting. There is still time to let your Director know your feelings. Presumably, if the Board accepts the recommendation and petitions the FCC accordingly, there will be an opportunity for public comment at that point but I hope it doesn't go that far.

I have two problems with the proposal (my own survey response was that no change was necessary except perhaps to remove the power limits).

First, although the proposal (and the survey) says firmly that nobody will lose any priviledges, I regard having to share spectrum that was exclusively for narrow modes, and spectrum that was reserved for the higher license classes, as a definite loss of priviledges.

Second, I believe the survey was fatally flawed in four respects.

A) The survey questions were skewed-- you had to choose either "no change" or an option that would provide for expansion of the phone bands.

B) The sample was too small.. The report begins with a statement that the proposal is based on "nearly 5000 survey responses." Thus committee is making a proposal that will affect ALL amateurs, based on the opinions of approximately 3% of its members. Yes, they report says the survey included members and non members, but in fact the survey was conducted on "members only" web site.

C) The sample was biased. For some reason, the report highlighted the fact that "Nearly 61% of those responding were Extra class licensees." Before April 2000 that might have meant something, but since we have no indication of what percentage of Extras are code operators or code qualified, much less the percentage of the Extras who took the survey, I would question the relevance of that comment. I see it as a blatant attempt to claim "legitimacy," especially since they didn't indicate whether the Extras were generally in favor or against the resulting "recommendations."

D) The recommendations were not based on a majority opinion in the results! The recommended change for 80M was chosen by "nearly 40%" of respondents. The recommended change for 40M was chosen by "nearly half" of respondents. The recommended change for 15M was chosen by "nearly half" of respondents. The recommended change for 10M was chosen by "nearly 45%" of respondents. So in the "worst case" the recommendation is based on nearly 40% of the nearly 3% of the members who took the survey-- or approximately 1% of members. In the best case (10M) it's based on the opinions of a bit more than a percent and a half.

Finally, I note that the committee recommended that the "League should include any request to the FCC to implement the changes within an omnibus filing encompassing other issues, rather than as a separate petition." Why on earth would they have suggested that, except with a view to easing its passage by preempting proper scrutiny?

You can believe that I for one will be talking to my Director. I suggest you do the same. The longest journey begins with but a single step, and this is the SECOND little step on the way to eliminating the CW bands and Morse code.

With best wishes for a prosperous and Happy New Millennium...

Marshall Emm, N1FN
Milestone Technologies, Inc.
(303) 752-3382
<http://www.mtechnologies.com>

Date: Sat, 22 Dec 2001 04:30:29 -0500 (EST)
From: kaliic <kaliic@prexar.com>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115671] RE: Cathode Keying Voltage
Message-ID: <Pine.LNX.4.33.0112220351490.1422-100000@VinceWerber.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi all,

I got to wondering about this subject, really about why I haven't been 'bitten', so I looked at the key I use with my tube rigs and guess what?

I've used the same old J-44 for years and it has a heavy enamel paint on most of the exposed areas... And the ground and plus are clearly marked...

In my case that is a real good thing...

Vince (the "shocked" ham)
kaliic
-.-.-

If you can't convince them, confuse them.
--Harry S. Truman

Date: Sat, 22 Dec 2001 07:20:07 -0500
From: "Tom" <n1tp@worldnet.att.net>
To: "qrp-l@Lehigh.EDU" <QRP-L@LEHIGH.EDU>
Subject: [115672] Phone Spectrum land grab.
Message-ID: <001501c18ae2\$fee447e0\$9f984d0c@tom>

This grab is a done deal and the ARRL knows it.

The telecommunications industry has been highly facored
by Congress for several years; It's campaign
contributions
well spent! That industry also owns the Florida
Legislature as
proved by recent passage of the so-called "Tax
Simplification Act."

The telecommunications Industry in swimming in
cash
and can afford whatever it desires, including
politicians' votes.

The ARRL will not risk any good will resisting
this done deal.

The worst part is that allowing novices into the
extra only
frequencies is not necessary to facilitiate this
grab.

Tom, N1TP
Naples, Florida

Date: Sat, 22 Dec 2001 07:48:52 -0500 (EST)
From: baltimoremd@baltimoremd.com
To: Marshall Emm <mgemm@mtechnologies.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115673] Re: Phone spectrum land grab, as expected
Message-ID: <20011222074231.L81639-100000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 22 Dec 2001, Marshall Emm wrote:

> ARRL to act on another flawed survey?

>
> I have two problems with the proposal (my own survey response was that no
> change was necessary except perhaps to remove the power limits).
>
> First, although the proposal (and the survey) says firmly that nobody will lose
> any priviledges, I regard having to share spectrum that was exclusively for
> narrow modes, and spectrum that was reserved for the higher license classes, as
> a definite loss of priviledges.

But, the League can engage in membership babble....after all, how many of
the existing members, and more importantly the new members, have any
interest in something as outmoded as CW?

>
> Second, I believe the survey was fatally flawed in four respects.
>
> A) The survey questions were skewed-- you had to choose either "no change" or
> an option that would provide for expansion of the phone bands.

Many pollsters value the fact that the questions and how they are asked
can bring forth the desired result.

>
> You can believe that I for one will be talking to my Director. I suggest you
> do the same. The longest journey begins with but a single step, and this is
> the SECOND little step on the way to eliminating the CW bands and Morse code.

I have little faith that the directors will listen, but I also plan to
communicate with mine.

73,
Thom
k3hxn

Date: Sat, 22 Dec 2001 08:59:51 EST
From: FIVEWATTS@aol.com
To: qrp-l@lehigh.edu
Subject: [115674] Thanks for the advice on the NC-20
Message-ID: <12a.98ada02.2955ebd7@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Gang,
Thanks to everyone who responded to the problem I have with the NC-20.
I don't have the right gear to work on it so after the holidays it gets

shipped to the doctor for a good going over.
Happy Holidays to all.
72/73
Bob
WA2HOQrp <tm>

Date: Sat, 22 Dec 2001 09:18:41 -0500
From: "Tom" <n1tp@worldnet.att.net>
To: "qrp-l@Lehigh.EDU" <QRP-L@LEHIGH.EDU>
Subject: [115675] FOX: CUB HUNT CHRISTMAS DAY
Message-ID: <000901c18af3\$8edfc440\$e5b64d0c@tom>

CUB HOUNDS:

De Cub FOX Chwistmas evening wiww be N1TP in SW
Fwowida.

I'd wike to stawt on ow near 7.053.

I'ww wisten UP and DOWN at weast 0.5 and not mowe
than 3.0 KHz.

I'ww not wisten cwosew then 0.5 KHz whiwe mowe
than one hound
is cawwing. PWEASE SPWEAD OUT! I wiww not favow
0.5, 1.0, 1.5,
ow 2.0, etc.

If onwy one hound is cawwing, it's easy to pick
out the Hound's caww
sign, but when many hounds awe cawwing at QWP
powew wevews the cawwing
hounds usuawwy cancel out each othews' signaws and
it's awphabet soup!

My exchange wiww be "KI0II 559 FW TOM 5W KI0II BK"

I'ww wowk the edges AWAY fwom my twansmitting
fweqwency whiwe the piwe
up wasts. You can send youw caww as many times as
you can in 15 seconds.

I'ww twy to pick out mowe than 1 caww and caww
mowe than 1 hound between
"Hounds' cawws. "TU" does NOT mean "caww me." "TU"
means I've weceived

the wast Hound's info.

Only "FOX" means "Caww me."

N1TP, Tom
Napwes, Fwowida

Date: Sat, 22 Dec 2001 02:21:28 -0500
From: Pete Burbank <plburbank@kih.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115676] Re: Cathode Keying Voltage
Message-ID: <5.0.2.1.0.20011222020116.00ab2ec0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Jim, Nick is right....half a meg is pretty high. I spent a couple decades in medical electronics so we had to keep track of such things to avoid killing people. A person sweating profusely can have a hand to hand resistance as low as 50K Ohms. People with skin penetrations can be hurt with voltages in the millivolt range. The main thing I remember about cathode keying was taming key clicks.HI! :-)
73 Pete NV4V

At 10:55 PM 12/21/2001 -0500, Jim Campbell wrote:

>Nick,

>

>Thanks for running the experiment for me. I'm surprised that there was
>so little change in the voltage. I wasn't shocked all that often back
>in the good old tube days, but when I was it sure felt like a lot more.
>I learned to be ultra-cautious with what I touched. I was so
>conditioned to be safe that when I finally did switch to working with
>transistorized circuits it took me a long time to stop holding the
>circuit boards by the edge. But with transistors at work and tubes in
>my rigs at home I couldn't let my guard down anytime.

>

>I did do the moisten finger-tips experiment and the reading ranged from
>0.5 to 0.6 Meg.

>

>Thanks again.

>

>Jim

>W4BQP

>
> Nick Kennedy wrote:
> >
> > Moisten your fingertips and try that body resistance thing again. I bet
> > it'll drop dramatically
> >
> > 72--Nick, WA5BDU

Date: Sat, 22 Dec 2001 06:29:07 -0800 (PST)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: mgemm@ntechnologies.com,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115677] Re: Phone spectrum land grab, as expected
Message-ID: <20011222142907.25938.qmail@web14205.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Now, Now,

The survey had what seems to be the normal amount of respondents. Most people do not response to these things for one reason or another. I hope it isn't because they just do not care, but I fear that accounts for a lot of it.

As for the extention of the phone bands, that mode can use the room. On most nights, the phone bands become crowded and the cw portion does not. This is across the whole band, not just a small portion. Extras in the first 25 may not have noticed this. Come up pass the 25 and the band will open up.

On ten meters, the opening of the band to all is an attempt to increase activity in the lower end. The area is home to the free banders and the South American taxi companies. Maybe with increased activity, we can take back that end of the band. If you only go there in contest, give a listen during non contest times.

The board has a fare handle on the fealings of most members. They are after new members too. New hams are not joining like they use too as the feal the ARRL is an out dated organization which does not represent them or the entire ham community.

As much as I hate to say it, CW is fast going the route of AM as a mode of operation. This is due to the increase of the newer narrow band modes. This is something which disturbs me, I work on a computer all day and I do not want to sit in front of one in order to enjoy my hobby.

Lets try to keep this from becoming the old pro con cw war.

Hope all have a grate holiday and work tons of DX

Bill KC4ATU

Do You Yahoo!?
Send your FREE holiday greetings online!
<http://greetings.yahoo.com>

Date: Sat, 22 Dec 2001 09:38:43 -0500
From: "E. Roswell" <eroswell@monmouth.com>
To: qrp-1@Lehigh.EDU
Subject: [115678] Re: Holiday Propagation/Solar
Message-ID: <3C249AF3.6DF8F45B@monmouth.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thank you, Paul, for your frequent propagation musings. We can all go to the "propagation" web sites, but the solar condx still have to be interpreted for what they will do to us in the ether. And I welcome your comments so I can keep increasing my understanding of same.

73, Ed,
K2MGM.

Date: Sat, 22 Dec 2001 09:42:12 -0500
From: wkhibbert@juno.com
To: qrp-1@lehigh.edu
Subject: [115679] Autek Problem: RF-1 Display
Message-ID: <20011222.094212.-368743.0.wkhibbert@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi. Keith here in the Depths of the Great Bergen Swamps

I am having a problem with the LCD display on my Autek RF-1 antenna analyzer.

The bottom half of the display is not there, and the top half just sort of flickers. This started out only manifesting itself when the battery was low but now acts up even with a brand new battery.

Has anyone else had a similar problem? I have sent an Email to Autek, (Wednesday), but have not received a reply as of yet.

Please reply to me direct (CC: to the List if you like) as I am having the same problem with Juno and QRP-L (I have to read the list at the archive site right now)

73, Wm. Keith Hibbert, WB2VUO

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<http://dl.www.juno.com/get/web/>.

Date: Sat, 22 Dec 2001 15:41:24 +0100

From: "Stephane Collas" <stephane.collas@wanadoo.fr>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [115680] HeathKit HW9...

Message-ID: <00ef01c18af6\$baf7e280\$fb410b50@f5nzy>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hello Gang,

Have just purchased the Heathkit HW9, with Warc bands, from 80 thru 10 meters, I paid it only about \$170.

It is in perfect working order, bought it to the first hand.

I am very impressed by the receiver, which is really good, indeed.

Power Output is 3w on 80, 40, 30, 20, 10 meters and 2.5w on 15!

Very pseed to got one!

Merry Christmas & Happy New Year to all...

73's & 72's de Steph, F5NZY

<http://www.qsl.net/f5nzy>

Date: Sat, 22 Dec 2001 10:03:51 EST
From: Macstein@aol.com
To: fpqrp-1@mpna.com, qrp-1@lehigh.edu
Subject: [115681] TRUFFLE Final Log for AF4PS
Message-ID: <31.1fe2df97.2955fad7@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Here are my corrections... and the last trooper
was Art in OR KA7WW.... I copied it every way but
correct. Art is a great guy and gracious in his
email - GRIN!

01	0130	N5IB	559	LA	Jim	5w
02	0131	K4FB	599	FL	Paul	5w
03	0132	AD4IH	559	FL	Joe	5w
04	0133	N8IE	559	OH	Dan	5w
05	0134	N1TP	599	FL	Tom	5w
06	0135	W8DIZ/4	599	FL	Diz	5w
07	0136	K5JHP	559	TX	Bill	5w
08	0137	W5YR	559	TX	George	5w
09	0138	WV9N	559	OH	Randy	5w
10	0139	W0CH	579	MO	Dave	900mw
11	0140	K8KFJ	599	WV	Gary	5w
12	0142	N3BJ	599	VA	Alan	5w
13	0143	K4TJD	599	GA	Tom	5w
14	0144	N2CQ	559	NJ	Ken	5w
15	0145	VE3FAL	579	ON	Fred	5w
16	0146	W5USJ	559	TX	Chuck	5w
17	0147	AB8DF	559	MI	Ed	5w
18	0148	K9DI	559	IL	Wayne	5w
19	0150	W9NE	579	WI	Todd	5w
20	0151	K4ADI	559	SC	Frank	5w
21	0152	KB9YIG	569	IN	Tony	5w
22	0154	WR50	559	TX	Dave	5w
23	0155	N8VAR	559	OH	Ron	5w

24 0156 WA8BXN 559 OH Mike 5w
25 0158 AA50 559 LA Vern 5w
26 0159 K4BYF 559 FL Jack 5w
0200 KA7WW --- OR ART --

Truffle AF4PS 559 FL Mac 5w

Thank you for the fun, and I'm wishing you the Happiest Hollidays!

-MAC-
AF4PS
Odessa, FL

Date: Sat, 22 Dec 2001 10:05:14 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <stephane.collas@wanadoo.fr>
Subject: [115682] Re: HeathKit HW9...
Message-ID: <003301c18afa\$188aef20\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Wow Steph, that is one great deal!

I trust you will fully enjoy in the new year, and all of your QRP-L friends
will get to hear it on the air!

Joyeux Noel!

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----
From: "Stephane Collas" <stephane.collas@wanadoo.fr>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, December 22, 2001 9:41 AM
Subject: HeathKit HW9...

> Hello Gang,

>
> Have just purchased the Heathkit HW9, with Warc bands, from 80 thru 10
> meters, I paid it only about \$170.
>
> It is in perfect working order, bought it to the first hand.
>
> I am very impressed by the receiver, which is really good, indeed.
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> Power Output is 3w on 80, 40, 30, 20, 10 meters and 2.5w on 15!
>
> Very psed to got one!
>
> Merry Christmas & Happy New Year to all...
>
> 73's & 72's de Steph, F5NZY
> <http://www.qsl.net/f5nzy>
>
>

Date: Sat, 22 Dec 2001 09:48:16 -0500
From: "JOSEPH PIRKLE" <ad4ih@worldnet.att.net>
To: <n1tp@worldnet.att.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115683] Re: CUB HUNT CHRISTMAS DAY
Message-ID: <000201c18afa\$db024260\$1c904d0c@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

O-tay!

----- Original Message -----

From: "Tom" <n1tp@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, December 22, 2001 09:18 AM
Subject: FOX: CUB HUNT CHRISTMAS DAY

| CUB HOUNDS:

|
| De Cub FOX Chwistmas evening wiww be N1TP in SW
| Fwowida.
|

| I'd wike to stawt on ow near 7.053.
|
| I'ww wisten UP and DOWN at weast 0.5 and not mowe
| than 3.0 KHz.
|
| I'ww not wisten cwosew then 0.5 KHz whiwe mowe
| than one hound
| is cawwing. PWEASE SPWEAD OUT! I wiww not favow
| 0.5, 1.0, 1.5,
| ow 2.0, etc.
|
| If onwy one hound is cawwing, it's easy to pick
| out the Hound's caww
| sign, but when many hounds awe cawwing at QWP
| powew wevews the cawwing
| hounds usuawwy cancew out each othews' signaws and
| it's awphabet soup!
|
| My exchange wiww be "KI0II 559 FW TOM 5W KI0II BK"
|
| I'ww wowk the edges AWAY fwom my twansmitting
| fweqwency whiwe the piwe
| up wasts. You can send youw caww as many times as
| you can in 15 seconds.
|
| I'ww twy to pick out mowe than 1 caww and caww
| mowe than 1 hound between
| "Hounds' cawws. "TU" does NOT mean "caww me." "TU"
| means I've weceived
| the wast Hound's info.
|
| Only "FOX" means "Caww me."
|
| N1TP, Tom
| Napwes, Fwowida
|
|
|

Date: Sat, 22 Dec 2001 10:19:22 -0500
From: John Wagner <john@wagner-usa.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [115684] Re: Phone spectrum land grab, as expected

Message-ID: <3C24A47A.2CCACDD2@wagner-usa.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Well....

First of all, surveys are always flawed. You'll never get a group of experts to agree that a particular survey, or poll, isn't flawed. So if there is a group of people who don't agree with the results, they will always point out that the survey was flawed. Point being; the survey was flawed. Using it to legitimize a recommendation is flawed, but that's the way things work, have always worked and will continue to work. Whining about the survey will get you nowhere fast, never has, never will. A recent presidential election (survey?) comes to mind (thankfully for all of us the right answer came out in the end).

Let's forget the survey and talk about the recommendations;

Listen to any segment of the CW section of the bands. Typically you will hear activity in the first 60Khz and that's about it. Sometimes on 10, 12, 15 and 17 I hear nothing however beacons on 10m tell me the bands are indeed open. Nobody is using them, the public's best interest is not being served by this. Also, there is no shortage of CW operators in the world to fill the need if there ever happens to be one. The fact of the matter is, in this day and age the public needs secure, high-speed wireless data transferred - are we, as hams banging out CW working to fill that need in event of an emergency?

CW is a dying mode, the majority of the public could care less about it. The majority of hams could care less too (my survey consists of turning on the radio and listening, see above).

In my opinion the CW sub-bands should be 60Khz wide and open at all power levels to all licensees, Techs included (even without pre-qualifying). The rest of the allocations should be for "real" digital modes (i.e. where a computer is used to send binary data) and phone. That's what people want, that's in the best interest of the public and the public interest is why we Amateurs have any allocation at all.

Let me close by saying this; I love CW, and I'm a relatively new licensee (2 yrs). I got into the hobby to build my own gear and to operate CW. However most people DON'T - that's the way it is.

73 de John, N1Q0

Marshall Emm wrote:

>

> ARRL to act on another flawed survey?

>

> According to The ARRL Letter Vol. 20, No. 50, December 21, 2001, the ARRL Novice
 > Spectrum Study Committee has recommended that the ARRL petition the FCC to
 > eliminate the Novice CW subbands and ... " turn most of the former novice
 > bandwidth over to phone operation and give the Novice/Tech Plus operators
 > access to all but the 25KHz wide Extra class CW allocations on 80, 40 and 15.
 > On 10M the phone segments would be unchanged but Novice/Tech Plus operators
 > would be given access to the entire CW spectrum all the way down to 28.0.

>

> The proposal is being presented by the committee to the ARRL board at the
 > January meeting. There is still time to let your Director know your feelings.
 > Presumably, if the Board accepts the recommendation and petitions the FCC
 > accordingly, there will be an opportunity for public comment at that point but
 > I hope it doesn't go that far.

>

> I have two problems with the proposal (my own survey response was that no
 > change was necessary except perhaps to remove the power limits).

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> First, although the proposal (and the survey) says firmly that nobody will lose
 > any privileges, I regard having to share spectrum that was exclusively for
 > narrow modes, and spectrum that was reserved for the higher license classes, as
 > a definite loss of privileges.

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> Second, I believe the survey was fatally flawed in four respects.

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> A) The survey questions were skewed-- you had to choose either "no change" or
 > an option that would provide for expansion of the phone bands.

>

> B) The sample was too small.. The report begins with a statement that the
 > proposal is based on "nearly 5000 survey responses." Thus committee is making
 > a proposal that will affect ALL amateurs, based on the opinions of
 > approximately 3% of its members. Yes, they report says the survey included
 > members and non members, but in fact the survey was conducted on "members only"
 > web site.

>

> C) The sample was biased. For some reason, the report highlighted the fact
 > that "Nearly 61% of those responding were Extra class licensees." Before April
 > 2000 that might have meant something, but since we have no indication of what
 > percentage of Extras are code operators or code qualified, much less the
 > percentage of the Extras who took the survey, I would question the relevance of
 > that comment. I see it as a blatant attempt to claim "legitimacy," especially
 > since they didn't indicate whether the Extras were generally in favor or
 > against the resulting "recommendations."

>

> D) The recommendations were not based on a majority opinion in the results! The
 > recommended change for 80M was chosen by "nearly 40%" of respondents. The

> recommended change for 40M was chosen by "nearly half" of respondents. The
> recommended change for 15M was chosen by "nearly half" of respondents. The
> recommended change for 10M was chosen by "nearly 45%" of respondents. So in
> the "worst case" the recommendation is based on nearly 40% of the nearly 3% of
> the members who took the survey-- or approximately 1% of members. In the best
> case (10M) it's based on the opinions of a bit more than a percent and a half.
>
> Finally, I note that the committee recommended that the "League should include
> any request to the FCC to implement the changes within an omnibus filing
> encompassing other issues, rather than as a separate petition." Why on earth
> would they have suggested that, except with a view to easing its passage by
> preempting proper scrutiny?
>
> You can believe that I for one will be talking to my Director. I suggest you
> do the same. The longest journey begins with but a single step, and this is
> the SECOND little step on the way to eliminating the CW bands and Morse code.
>
>
>
> With best wishes for a prosperous and Happy New
> Millennium...
>
> Marshall Emm, N1FN
> Milestone Technologies, Inc.
> (303) 752-3382
> <http://www.mtechnologies.com>

--

John Wagner - john@wagner-usa.net
Web page: <http://www.neknetwork.com>

Date: Sat, 22 Dec 2001 10:16:17 -0500
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [115685] DSWTUNER for DOS now does 50 Hz steps
Message-ID: <F1187E5yB3miZwW4twm0000dd5e@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hi, y'all.

Please excuse any redundant messages...didn't seem to go through the first couple of times.

I finally figured out how to make DSWTUNER for DOS do 50 Hz steps with either 'type 1' or 'type 2' encoder firmware.

The very latest files are now available at:

<http://www.qsl.net/n4qa/>

Don't forget to refresh your browser...I always forget...

Note:

Still working on this improvement for DSWTUN95 for Windows...

No RIT for either program as yet but thinking about it :)

73.

Bill, N4QA

MSN Photos is the easiest way to share and print your photos:

<http://photos.msn.com/support/worldwide.aspx>

Date: Sat, 22 Dec 2001 10:22:56 EST

From: Nv4t@aol.com

To: qrp-1@lehigh.edu

Subject: [115686] "land grab"

Message-ID: <20.2126be20.2955ff50@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

Another example of everyone bitching! Why not bring back the old(original)
Novice class, one year, rock-bound, tough if you can't learn code ,etc!
Everyone 0--get alive!!

Oh, I forgot ,let's bring back King Spark too!

Bill NV4T

Date: Sat, 22 Dec 2001 09:35:54 -0600

From: "Rob Matherly" <kc0bom@arrl.net>

To: <baltimoremd@baltimoremd.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [115687] Re: Phone spectrum land grab, as expected

Message-ID: <005d01c18afe\$5b103680\$6a11a541@intern01>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

<---

But, the League can engage in membership babble....after all, how many of the existing members, and more importantly the new members, have any interest in something as outmoded as CW?

---->

Well me for one! I've been on HF for 2 years and I only use CW!

72/73/oo

Rob, kc0bom

ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19

Visit my website! <http://www.qsl.net/kc0bom>

AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

----- Original Message -----

From: <baltimoremd@baltimoremd.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Saturday, December 22, 2001 6:48 AM

Subject: Re: Phone spectrum land grab, as expected

On Sat, 22 Dec 2001, Marshall Emm wrote:

> ARRL to act on another flawed survey?

>

> I have two problems with the proposal (my own survey response was that no
> change was necessary except perhaps to remove the power limits).

>

> First, although the proposal (and the survey) says firmly that nobody
will lose

> any priviledges, I regard having to share spectrum that was exclusively
for

> narrow modes, and spectrum that was reserved for the higher license
classes, as

> a definite loss of priviledges.

But, the League can engage in membership babble....after all, how many of the existing members, and more importantly the new members, have any interest in something as outmoded as CW?

>

> Second, I believe the survey was fatally flawed in four respects.

>
> A) The survey questions were skewed-- you had to choose either "no
change" or
> an option that would provide for expansion of the phone bands.

Many pollsters value the fact that the questions and how they are asked
can bring forth the desired result.

>
> You can believe that I for one will be talking to my Director. I suggest
you
> do the same. The longest journey begins with but a single step, and this
is
> the SECOND little step on the way to eliminating the CW bands and Morse
code.

I have little faith that the directors will listen, but I also plan to
communicate with mine.

73,
Thom
k3hrn

Date: Sat, 22 Dec 2001 10:47:57 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <K5KW@aol.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115688] Re: Basement Shack Revisited
Message-ID: <20011222154545.DTJG26411.imf28bis.bellsouth.net@[192.168.0.21]>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 12/17/01 10:25 AM, K5KW@aol.com at K5KW@aol.com wrote:

>Reading the various postings about bringing coax into the (basement) shack
>evoked a question in my noggin about coax size verus power-handling
>capability. Can someone tell me how much RF power can be safely run thru
>RG-58 coax at HF frequencies?

Depends. So long as it is a matched 50 ohm resistive load, RG-58 is fully
capable of handling maximum legal power on all HF bands.

Now,if you have considerable mismatch, or are dealing with complex
impedances, things change. The high voltages present at certain points on

a feedline carrying a complex impedance could cause an arc-over, and low-voltage points could cause heating from excessive current.

>RF loss figures are readily available, but
>can't seem to find reference to power ratings in the ARRL Handbook or
>Antenna
>book.
>
>I know, I know. It's sacrilege to even think about QRO operations. On the
>other hand, occasionally I fall off the wagon....

If you have 50-ohm antennas, go for it.

I wouldn't try to feed an "all-band" antenna through a tuner with the stuff, though.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Sat, 22 Dec 2001 11:00:24 -0500
From: "Brian" <brian@iquest.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115689] Re: Basement Shack Revisited
Message-ID: <002101c18b01\$c5065800\$9d352bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Someone told me that if your coax feedlines have a lot of sharp bends in them, like a couple of 90's around a box or something, that it has some pretty serious adverse effects on efficiency and higher than QRP power levels.

Is this true?

=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL

TEN TEC SCOUT @ 5W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====

----- Original Message -----

From: "Bill Coleman" <aa4lr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, December 22, 2001 10:47 AM
Subject: Re: Basement Shack Revisited

> On 12/17/01 10:25 AM, K5KW@aol.com at K5KW@aol.com wrote:
>
> >Reading the various postings about bringing coax into the
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>
>
> Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
> Quote: "Not within a thousand years will man ever fly!"
> -- Wilbur Wright, 1901
>
>
>
>
>

Date: Sat, 22 Dec 2001 10:05:12 -0600
From: "Len Revelle" <lenrev@ameritech.net>
To: <kc0bom@arrl.net>,
 "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [115690] RE: Phone spectrum land grab, as expected
Message-ID: <003e01c18b02\$6faba580\$6401a8c0@n9ij>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

The league is going to recommend whatever will increase general ham numbers, and their membership. Increased membership means increased ad revenue and increases their perception that ARRL speaks for all hams.

That said, I have no doubt we will see our current band plans change to the eventual elimination of mode exclusive subbands. We can talk about CW being outdated or glorify the need to perpetuate advanced digital modes but the simple answer will be that, as the old phardts (like me) die out, so will much of CW. We will continue to see limited specialized modes but the numbers will not be impressive. We will see the number of phone operators increase because it's a no-brainer.

The league is simply perpetuating what the masses want ham radio to become. I don't like it, but I see it.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Rob Matherly
Sent: Saturday, December 22, 2001 9:36 AM
To: Low Power Amateur Radio Discussion
Subject: Re: Phone spectrum land grab, as expected

<---

But, the League can engage in membership babble....after all, how many of the existing members, and more importantly the new members, have any interest in something as outmoded as CW?

---->

Date: Sat, 22 Dec 2001 10:06:25 -0600
From: "tmyers" <tmyers@AcademicPlanet.com>
To: <mgemm@mtechnologies.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115691] Re: Phone spectrum land grab, as expected
Message-ID: <009701c18b02\$9c96ab80\$1600a8c0@newkid>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Since CW is allowed on all HF frequencies what is the problem? Do you think the FCC will ask you to explain the interference caused by the digital mode to the SSB phone Op in the upper portion of the band? Take a look at what happened on 160M with using the DX window as presented in the ARRL band plan. Will you be considered as using "considerate and proper operating procedures" if you use CW in the phone portion or will it be construed as jamming?

Food for thought.

KQ5U, Terry
Spring, Texas

----- Original Message -----

From: Marshall Emm <mgemm@mtechnologies.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Saturday, December 22, 2001 2:50 AM
Subject: Phone spectrum land grab, as expected

> ARRL to act on another flawed survey?

>

> According to The ARRL Letter Vol. 20, No. 50, December 21, 2001, the ARRL Novice

> Spectrum Study Committee has recommended that the ARRL petition the FCC to

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> bandwidth over to phone operation and give the Novice/Tech Plus
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> a definite loss of privileges.
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> Second, I believe the survey was fatally flawed in four respects.
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> A) The survey questions were skewed-- you had to choose either "no
change" or
> an option that would provide for expansion of the phone bands.
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> B) The sample was too small.. The report begins with a statement
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> proposal is based on "nearly 5000 survey responses." Thus committee
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"members only"

> web site.
>
> C) The sample was biased. For some reason, the report highlighted the fact
> that "Nearly 61% of those responding were Extra class licensees."
Before April
> 2000 that might have meant something, but since we have no indication of what
> percentage of Extras are code operators or code qualified, much less the
> percentage of the Extras who took the survey, I would question the relevance of
> that comment. I see it as a blatant attempt to claim "legitimacy," especially
> since they didn't indicate whether the Extras were generally in favor or
> against the resulting "recommendations."
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> D) The recommendations were not based on a majority opinion in the results! The
> recommended change for 80M was chosen by "nearly 40%" of respondents. The
> recommended change for 40M was chosen by "nearly half" of respondents. The
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> would they have suggested that, except with a view to easing its passage by
> preempting proper scrutiny?
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Morse code.

>
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>
>

> With best wishes for a prosperous and Happy New
> Millennium...

>
> Marshall Emm, N1FN
> Milestone Technologies, Inc.
> (303) 752-3382
> <http://www.mtechnologies.com>
>

Date: Sat, 22 Dec 2001 09:20:47 -0700
From: Roger J Wendell <zeekzilch@juno.com>
To: CQCLIST@yahoogroups.com, qrp-1@Lehigh.EDU
Subject: [115692] Phone spectrum land grab, as expected
Message-ID: <20011222.092054.-422695.2.zeekzilch@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Marshall, David and others have said it well.

However, since the code change were forced on us I thought the best
solution would be:

1. Completely eliminate the CW requirement for all classes of license
except Extra.
2. Require that Extras, if they haven't already done so, pass a sending
and receiving test at a solid 20 wpm.

3. Keep all present CW bands intact, including what were formerly exclusively Extra sections.

Seems this would satisfy the no-code crowd while providing tons of incentive for those even remotely interested CW.

Here's a one of the many letters I mailed the FCC on the subject of CW in the early 80s:

http://www.qsl.net/wb0jnr/morsecode_fccletter1983.gif

72s and ZUT! (CW forever!)

Roger
WB0JNR
<http://www.ZeekZilch.com>

-

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<http://dl.www.juno.com/get/web/>.

Date: Sat, 22 Dec 2001 11:17:07 -0500
From: "Kevin M." <adverseyaw@twmi.rr.com>
To: <wkhibbert@juno.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115693] Re: Autek Problem: RF-1 Display
Message-ID: <003601c18b04\$1a60b500\$1a751d41@magnus>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Keith,

I had a similar problem with my Fluke 87 (the original from 1988). I found a fix on another newsgroup (sci.electronics.components). If you feel comfortable with taking the unit apart open the case and see how the LCD display is connected. Does it have a foam strip that lays across the contacts on the display? If it does, remove the strip and clean with rubbing alcohol and a Q-tip(R). Also clean the contacts on the display. Let dry and put it back together.

The foam strip is called a Zebra strip and it can build up oxidation over time. This might be causing the display not to work.

Kevin, KC8SFJ

----- Original Message -----

From: <wkhibbert@juno.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Saturday, December 22, 2001 9:42 AM

Subject: Autek Problem: RF-1 Display

> Hi. Keith here in the Depths of the Great Bergen Swamps

>

> I am having a problem with the LCD display on my Autek RF-1 antenna
> analyzer.

>

> The bottom half of the display is not there, and the top half just
> sort

> of flickers. This started out only manifesting itself when the
> battery

> was low but now acts up even with a brand new battery.

>

> Has anyone else had a similar problem? I have sent an Email to Autek,
> (Wednesday), but have not received a reply as of yet.

>

> Please reply to me direct (CC: to the List if you like) as I am having
> the same problem with Juno and QRP-L (I have to read the list at the
> archive site right now)

>

> 73, Wm. Keith Hibbert, WB2VUO

>

> -----
> GET INTERNET ACCESS FROM JUNO!

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> Join Juno today! For your FREE software, visit:

> <http://dl.www.juno.com/get/web/>.

>

Date: Sat, 22 Dec 2001 11:20:31 -0500
From: "George Osier" <gosier@twcnny.rr.com>
To: <qrp-1@lehigh.edu>
Subject: [115694] TA3DD for WAC ...Europe or Asia ????
Message-ID: <000701c18b04\$94288ca0\$0e714342@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello all !!!

Just worked Fazil , TA3DD with 100 mw and wondering which continent he is
????

Goal for 2002 is W.A.C. with 100 mw !!!!

73s

George , N2JNZ / QRPp

Date: Sat, 22 Dec 2001 11:18:40 -0500
From: Bill <w2eb@twcnny.rr.com>
To: qrp-1@lehigh.edu
Subject: [115695] Re: Basement Shack Revisited
Message-ID: <3C24B260.B1C31B37@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Brian,

I don't think that the bends themselves are harmful, but rather that the center conductor can change it's position relative to the shield. When you bend a coax cable too sharply, you stretch the dielectric on the outside of that bend. This allows the center conductor to get "closer" to the outer braid and messes up the cable's impedance.

In a worst case scenario, the center conductor can actually cut through the dielectric and short to the shield.

I learned that you shouldn't bend coax tighter than 8 times it's diameter. I'm sure that number will be up for debate, but either way, keep the bends as loose as possible.

73,

Bill
W2EB

Brian wrote:

>
> Someone told me that if your coax feedlines have a lot of sharp bends
> in them, like a couple of 90's around a box or something, that it has
> some pretty serious adverse effects on efficiency and higher than QRP
> power levels.
>
> Is this true?

Date: Sat, 22 Dec 2001 11:27:17 -0500
From: "John Paul Keon" <jpkeon@nc.rr.com>
To: <gosier@twcnny.rr.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [115696] Re: TA3DD for WAC ...Europe or Asia ????
Message-ID: <009b01c18b05\$861672c0\$6501a8c0@nc.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

He is in zone 39, and it is considered part of Asia.
Where did you work him???

JohnPaul/AB4PP
Raleigh, NC

----- Original Message -----

From: "George Osier" <gosier@twcnny.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, December 22, 2001 11:20 AM
Subject: TA3DD for WAC ...Europe or Asia ????

> Hello all !!!
>
> Just worked Fazil , TA3DD with 100 mw and wondering which continent he is
> ????
>
> Goal for 2002 is W.A.C. with 100 mw !!!!

>
> 73s
>
> George , N2JNZ / QRPp
>

Date: Sat, 22 Dec 2001 11:30:05 -0500 (EST)
From: wb0wao@hotmail.com (Dennis Ponsness)
To: gosier@twcny.rr.com
Cc: qrp-1@Lehigh.EDU (Low Power Amateur Radio Discussion)
Subject: [115697] Re: TA3DD for WAC ...Europe or Asia ???
Message-ID: <26916-3C24B50D-5358@storefull-267.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

Asia, I do believe! Good catch!!!

72 es GUD DX

Dennis - WB0WAO

Date: Sat, 22 Dec 2001 16:37:21 -0000
From: "Tony Fishpool" <tony@g4wif.fsnet.co.uk>
To: "QRP-1" <qrp-1@lehigh.edu>
Subject: [115698] Re: Basement Shack Revisited
Message-ID: <007e01c18b07\$05cae720\$cf1887d9@duron>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Brian,
Sharp bends in coax or fibre can cause reflections but you can get
round that by keeping the bend radius to better than (as a rule of
thumb) ten times the diameter of the cable.

Happy Christmas
Tony - G4WIF
(who in a past life was a registered AT&T Systimax Designer/Installer)

----- Original Message -----

From: "Brian" <brian@iquest.net>

> Someone told me that if your coax
> feedlines have a lot of sharp bends
> in them, like a couple of 90's around a
> box or something, that it has
> some pretty serious adverse effects on
> efficiency and higher than QRP
> power levels.
>
> Is this true?

Date: Sat, 22 Dec 2001 17:34:28 +0100
From: "Ingo, DK3RED" <dk3red@t-online.de>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [115699] Re: TA3DD for WAC ...Europe or Asia ????
Message-ID: <3C24B614.F6D8461C@t-online.de>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello George,

> Just worked Fazil , TA3DD with 100 mw and wondering which continent he is
> ????

AS. Only TA1 is EU. TA2 - TA9 AS. TA0 (islands) AS or EU.
QSL via KB2MS (callbook winter 2002)

--

72/73 de Ingo, DK3RED (Don't forget: the fun is the power !)
dk3red@t-online.de - www.qsl.net/dk3red - www.t-online.de/~dk3red

Date: Sat, 22 Dec 2001 11:36:03 -0500 (EST)
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
To: unlisted-recipients:; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115700] Re: Phone spectrum land grab, as expected
Message-ID: <Pine.LNX.4.33.0112221135230.21152-100000@w3eax.umd.edu>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Me too!

I've been waiting for months to say THAT again :)

(remember the good ol' days of the Internet?)

On Sat, 22 Dec 2001, Rob Matherly wrote:

```
> <---
> But, the League can engage in membership babble....after all, how many of
> the existing members, and more importantly the new members, have any
> interest in something as outmoded as CW?
> --->
>
> Well me for one! I've been on HF for 2 years and I only use CW!
>
> 72/73/oo
> Rob, kc0bom
> ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19
>
> -----
> Visit my website! http://www.qsl.net/kc0bom
>
> AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net
>
> ----- Original Message -----
> From: <baltimoremd@baltimoremd.com>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Sent: Saturday, December 22, 2001 6:48 AM
> Subject: Re: Phone spectrum land grab, as expected
>
>
> On Sat, 22 Dec 2001, Marshall Emm wrote:
>
> > ARRL to act on another flawed survey?
> >
> > I have two problems with the proposal (my own survey response was that no
> > change was necessary except perhaps to remove the power limits).
> >
> > First, although the proposal (and the survey) says firmly that nobody
> > will lose
> > any priviledges, I regard having to share spectrum that was exclusively
> > for
> > narrow modes, and spectrum that was reserved for the higher license
> > classes, as
```

> > a definite loss of priviledges.
>
> But, the League can engage in membership babble....after all, how many of
> the existing members, and more importantly the new members, have any
> interest in something as outmoded as CW?
> >
> > Second, I believe the survey was fatally flawed in four respects.
> >
> > A) The survey questions were skewed-- you had to choose either "no
> change" or
> > an option that would provide for expansion of the phone bands.
>
> Many pollsters value the fact that the questions and how they are asked
> can bring forth the desired result.
>
> >
> > You can believe that I for one will be talking to my Director. I suggest
> you
> > do the same. The longest journey begins with but a single step, and this
> is
> > the SECOND little step on the way to eliminating the CW bands and Morse
> code.
>
> I have little faith that the directors will listen, but I also plan to
> communicate with mine.
>
> 73,
> Thom
> k3hrn
>
>

--

Scott Rosenfeld ARS N7JI
541-684-9970 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

Date: Sat, 22 Dec 2001 08:40:13 -0800
From: "William Phinizy" <k6whp@gte.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [115701] Question: Birdie in 30-meter OHR-100
Message-ID: <000901c18b07\$55a9ae20\$80aa173f@k6whp>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I *finally* added a 10-turn pot to my 30-meter OHR 100 and when I got it back together, I seemed to have picked up a birdie right spang on 10.115 MHz (or, at least the OSC is 19.115 MHz). Oh dear, this won't do at all.

Anyone out there have any information on how to tack down and kill the blessed thing?

Much graditude and felicitations for the season.

72,

Bill, K6WHP

Date: Sat, 22 Dec 2001 11:39:44 -0500
From: "John Paul Keon" <jpkeon@nc.rr.com>
To: <gosier@twcnny.rr.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [115702] Re: TA3DD for WAC ...Europe or Asia ????
Message-ID: <016401c18b07\$436e0440\$6501a8c0@nc.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, I tried to answer you,
and thought I sent one out to the group.
It is ASIA..... and in DX Zone 20, ITU zone 39
JohnPaul/AB4PP

----- Original Message -----
From: "George Osier" <gosier@twcnny.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, December 22, 2001 11:20 AM
Subject: TA3DD for WAC ...Europe or Asia ????

> Hello all !!!
>
> Just worked Fazil , TA3DD with 100 mw and wondering which continent he is
> ????

>
> Goal for 2002 is W.A.C. with 100 mw !!!!
>
> 73s
>
> George , N2JNZ / QRPP
>

Date: Sat, 22 Dec 2001 11:48:59 -0500
From: "Charles Mabbott" <crmabbott@mediaone.net>
To: <njqrp@njqrp.org>, "Fpqrp Groups" <fpqrp-1@mpna.com>,
"QRP-Post" <qrp-1@Lehigh.EDU>
Subject: [115703] ARRL Letter and CW
Message-ID: <GAECLOGOMILPLBGKKPEGKEIHDCAA.crmabbott@mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

I have sent messages and invited [GLD] director to radio club meetings to give talks and express what the ARRL was planning to do when I was an officer of a local club a few years back.

I never got a response or acknowledgement. The only time he has shown up was when a news crew from local TV station was there for the event. When the cameras left so did he.

If all the divisions are represented like that, it is sad to say writing may not accomplish much. But will not stop writing, you never know, someone who cares may have the position sometime.

CW traffic nets are still alive and well and here in SE MI the QMN group has started running training nets at slower speeds to acquaint new ops to the procedures and how they work.

73,

=====

Chuck Mabbott

AA8VS

42 19' 52" N 83 28' 32" W

Grid Square EN82gh

Home Page: <http://aa8vs.dhs.org:81/aa8vs>

FP-113 MI-QRP#1212 Firebirds #2117 SOC #445

-----Original Message-----

From: owner-njqrp@applegate.org
[mailto:owner-njqrp@applegate.org]On
Behalf Of Paul Womble
Sent: Saturday, December 22, 2001 10:49 AM
To: njqrp@njqrp.org
Subject: Re: [NJQRP] ARRL Letter and CW

Write your Division director. Write your section manager. Write HQ. If every member did that, then if they did things against what the members say, there would be a legitimate complaint.

How many people have actually taken the time to send an email to your division director? Much less stopped by the ARRL table at a hamfest or picked up the phone and talk with them.

If you quit...guess what? You loose by default.

They are not taking away the CW sub bands. That's the problem with people only putting part of an article. The important parts get left out.

Go to : <http://www.arrl.org/news/stories/2001/12/21/2/?nc=1> for the complete article.

73
Paul K4FB

k2pq wrote:

> Well I feel the same. If the cw sub bans go away so will my ARRL membership.
>

===== NJ QRP Club Mailing List
=====

To unsubscribe from this list, send email to
listserver@applegate.org
and put the text "unsubscribe njqrp" in the message. To post a
message to the list, send email to njqrp@njqrp.org.

Date: Sat, 22 Dec 2001 11:53:30 -0500
From: "John Dorson" <jdorson@Worldshare.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [115704] FS: QRP+
Message-ID: <000901c18b09\$33604c00\$01669c40@atwork>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For Sale...Index Lab QRP+ all band QRP transceiver.
Serial number 1043 with updated E-Prom. Exce. cond.
With manual, DC cable, Mic in original box.
Asking \$350.00 including insured UPS shipping in USA.

(321) 676-4699
John K2JHU...Happy Holidays
jdorson@worldshare.net

Date: Sat, 22 Dec 2001 12:17:17 -0500
From: Paul Womble <pwomble1@tampabay.rr.com>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [115705] Fox K4FB Log v 2.0
Message-ID: <3C24C01D.573AC435@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

If anyone else spots something, please let me know.

I want to post the final log by tomorrow.

Paul K4FB

0201	WR50	599 TX	DAVE	5W
0201	K5JHP	559 TX	BILL	5W
0202	N3BJ	559 VA	ALAN	5W
0203	AF4PS	599 FL	MAC	5W
0203	K8KFJ	599 WV	DICK	5W
0204	WA9TZE	559 WI	JIM	5W
0204	K4TJD	559 GA	TOM	5W

0205	N9NE	559	WI	TODD	5W
0206	N1LN	599	TX	BRUCE	5W
0206	N4ROA	559	VA	DAN	5W
0207	N8VAR	599	OH	RON	5W
0208	KV4EE	559	SC	CRAIG	5W
0209	AA50	559	LA	VERN	5W
0210	KB9YIG	559	IN	TONY	5W
0211	WA8BXN	559	OH	MIKE	5W
0212	W0CH	559	MO	DAVE	900MW
0213	K5LN	559	TX	BILL	5W
0213	KQ5U	559	TX	TERRY	5W
0214	N2WW	559	CO	LARRY	5W
0215	K3PH	599	PA	BOB	5W
0215	N1TP	559	FL	TOM	5W
0216	N1FN	559	CO	ET	5W
0216	KC1FB	559	CT	JIM	5W
0217	W0UFO	559	MN	MERT	5W
0217	K0FRP	579	CO	AL	5W
0218	N0DSP	559	CO	TOM	5W
0219	NK9G	559	WI	RICK	5W
0220	K0PC	559	MN	PAT	5W
0221	VA6RF	559	AB	EARL	5W
0222	K4BYF	559	FL	JACK	5W
0222	K4ADI	599	SC	FRANK	5W
0223	K5ZTY	559	TX	BILL	5W
0224	K9IS	559	WI	STEVE	5W
0225	N3ZPQ	559	OH	FRANK	4W
0226	W6EU	579	CA	JIM	5W
0227	K9DC	559	IN	DAVE	5W
0227	WE9K	559	WI	GLENN	5W
0228	AB5NQ	599	AR	BILL	5W
0229	K4JPN	599	GA	STEVE	4W
0230	NQ7X	559	AZ	FLOYD	5W
0231	AD4IH	559	FL	JOE	5W
0232	VE6JAZ	559	AB	ROB	5W
0233	VE6KG	559	AB	NORM	5W
0233	WV9N	559	OH	RANDY	5W
0234	VE3FAL	579	ON	FRED	5W
0235	N0AR	559	MN	SCOTT	5W
0235	W9XU	559	WI	LON	5W
0236	WA8WV	599	WV	DAVE	5W
0238	KG4LDY	559	VA	JIM	5W
0239	N2CQ	559	NJ	KEN	5W
0239	W5USJ	559	TX	CHUCK	5W
0240	W9HL	559	IL	RANDY	5W
0241	N8IE	559	OH	KARL	3W
0242	W5TB	599	TX	DOC	5W
0242	K5PSH	559	TX	JERRY	5W

0243	N4MAP	559	GA	SAM	5W
0244	KB1FKL	559	CT	MATT	5W
0245	WD4MSM	559	IN	BARRY	5W
0246	K5DW	559	TX	DON	5W
0247	VE4WI	559	MB	CRAIG	5W
0249	KB1DXC	559	CT	MIKE	5W
0250	W8VJW	559	MI	JOHN	5W
0251	KC0ATC	559	CO	CHRIS	3W
0252	K1SWG	559	ME	BRIAN	100W
0253	NM5M	579	TX	ERIC	5W
0253	W0PWE	559	IA	JERRY	5W
0254	WY1W	559	CT	BRUCE	5W
0254	AC5JH	559	MS	TOM	5W
0255	N9AW	599	WI	JERRY	5W
0256	KC5ZZ	599	LA	WALT	5W
0257	NU8S	559	OH	DENNIS	5W
0258	K5DI	559	NM	KARL	5W
0300	WA8ZBT	559	TX	DENNIS	5W
0301	N5IB	559	LA	JIM	5W
0302	WD7Z	559	NM	DAVE	5W
0303	AJ4AY	579	AL	JAY	5W
0303	VE5RC	559	SK	BRUCE	5W
0306	AG0T	559	ND	TODD	4W
0307	WB6BWZ	599	GA	MATT	5W
0308	K6VNX	559	CA	ARLEN	5W
0309	N0TU	559	CO	STEVE	5W
0309	AD2A	559	NJ	DAVID	5W
0310	N4IM	559	TX	CHRIS	5W
0311	AF4LQ	559	KY	MIKE	5W
0312	N0TK	559	CO	DAN	5W
0313	KV2X	559	NY	TOM	5W
0316	KB7WW	559	OR	ART	5W
0316	K9OZ	559	IL	BRUCE	5W
0317	N0RC	559	CO	ROD	5W
0318	AA7XA	559	OR	FRANK	5W
0319	N0UR	559	MN	JIM	5W
0320	KD5KXF	559	TX	MIKE	5W
0320	K8CV	559	MI	WALT	5W
0321	K3IU	559	RI	KEN	5W
0322	KK5LD	559	TX	JIM	5W
0323	W7ILW	559	AZ	WALT	5W
0324	K7TQ	59	ID	RANDY	5W
0324	K5BGB	589	TX	RON	5W
0326	KJ0C	559	MO	JIM	5W
0326	NX8C	559	MI	NEIL	5W
0327	W1GL	559	MN	TED	5W
0328	W0JOE	559	MO	JOE	5W
0329	W5USM	569	TX	BILL	5W

0334	N6WG	559 CA	BOB	5W
0336	N0HRL	559 MN	KEN	5W
0337	W3SMK	599 NJ	STEVE	5W
0340	AD6JY	559 CA	DAN	5W
0342	N0IT	599 MO	DAVE	5W
0345	N1MG	539 CA	MIKE	10W
0346	NN5E	559 TX	VERN	5W
0348	K9DI	559 IL	WAYNE	5W
0351	KC9LC	559 VA	RANDY	5W
0353	W0RW	579 CO	PAUL	5W
0355	KG6CYN	559 CA	TREV	5W
0356	K7EL	559 OR	DAVE	5W
0357	NV4V	559 KY	PETE	5W
0358	WB8WTU	559 OH	DENNIS	2W
0400	K4FB	599 FL	FOX	5W
0400	VE6EX	559 AB	FOX	5W

Date: Sat, 22 Dec 2001 13:00:35 -0500
 From: "Tom Curtola" <tcurtola@rogers.com>
 To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
 Subject: [115706] Pavlov and Dogs
 Message-ID: <000901c18b12\$8ed3c540\$0f316618@yec.phub.net.cable.rogers.com>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="iso-8859-1"
 Content-Transfer-Encoding: 7bit

Well I was used to my dogs learning the shutdown .WAV sound of windows - They would soon learn that the sound meant I was done with that computer thingy and was going to move on to something else. Perhaps give them a treat or go to the park with them. They usually get on their feet upon hearing the sound and head for the door of the room I'm in. (I have to change the .WAV shut down file sound every so often as they soon learn the new one.

Anyhow, my youngest dog has now picked up that habit of perking up when hearing the "dit dit" at the end of a QSO. It's so funny to see him do that. I wonder just how much code could be taught to a dog.

Tom Curtola
 tcurtola@rogers.com
 VA3TY
 Toronto, Ontario - Canada

Date: Sat, 22 Dec 2001 12:01:33 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115707] Re: Phone spectrum land grab, as expected
Message-ID: <004201c18b12\$b3c52b00\$7d11a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

(Gladly sent on behalf of w2wurjj@verizon.net, details in his msg)

<-----

CW is alive. It was the first digital mode & gets through when other modes fail. Reliance on computers offers a false sense security. They malfunction causing data loss. Try using a lap-top with dead batteries. Does an ELT use a computer? NO ...it's a CW or MCW beacon. Computers have killed CW interests in the name of progress.

Some reckey - tech ops don't know a diode from resistor. CW requires skill. CW operators take communications seriously, they use their brain, not machines. A computer will generate error messages if problems exist. CW operators ask for fills. CW requires little bandwidth. Besides, it's FUN. SSB aka "Slip Slop & Burp" is modified AM "ancient modulation". Don't misunderstand me. I enjoy all modes, they all have their respective niche, command respect and balance our hobby.

QRP was dead until we realized the minimal difference between "Rock Crushing QRO" transmissions and spectrum / power conservation. How may Tuna Tins operate Phone? Ladies & Gentlemen define the argument. Throw out specious thoughts ... yep organizational politics, and machinations are involved, but that's life. Did you participate in the survey? Or are you happy letting others do the field work while you enjoy the fruits of their labors? Can't take heat, Can't take criticism ... or debate? Get out of the kitchen ...

CW is alive and well, better yet, It's FUN. 73, Ron W2WU

I'm ready for the flames!

****Please Post on QRP-L reflector**** I'm a list member but the software says I'm not. Reason: Changed ISP & the list hasn't caught up. Who can correct this? I've been trying for three weeks, can't reach anyone. Resubscribed it

ok'ed me but problem continues & I'm getting all posts!
----->

72/73/oo

Rob, kc0bom

ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19

Visit my website! <http://www.qsl.net/kc0bom>

AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

Date: Sat, 22 Dec 2001 12:06:10 -0600

From: "Rob Matherly" <kc0bom@arrl.net>

To: "w2wurjj" <w2wurjj@verizon.net>,

"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [115708] Re: Phone spectrum land grab, as expected

Message-ID: <007b01c18b13\$596c6500\$7d11a541@intern01>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I see you got your problem fixed :^)

72/73/oo

Rob, kc0bom

ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19

Visit my website! <http://www.qsl.net/kc0bom>

AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

----- Original Message -----

From: w2wurjj <w2wurjj@verizon.net>

To: <kc0bom@arrl.net>; Low Power Amateur Radio Discussion
<qrp-l@Lehigh.EDU>

Sent: Saturday, December 22, 2001 2:06 PM

Subject: Re: Phone spectrum land grab, as expected

CW is alive. It was the first digital mode & gets through when other modes fail. Reliance on computers offers a false sense security. They malfunction causing data loss. Try using a lap-top with dead batteries.

Does

an ELT use a computer? NO ...it's a CW or MCW beacon. Computers have killed CW interests in the name of progress.

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CW is alive and well, better yet, It's FUN. 73, Ron W2WU

I'm ready for the flames!

----- Original Message -----

From: Rob Matherly <kc0bom@arrl.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Saturday, December 22, 2001 07:35

Subject: Re: Phone spectrum land grab, as expected

> <---

> But, the League can engage in membership babble....after all, how many of
> the existing members, and more importantly the new members, have any
> interest in something as outmoded as CW?

> --->

>

> Well me for one! I've been on HF for 2 years and I only use CW!

>

> 72/73/oo

> Rob, kc0bom

> ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19

>

> -----

> Visit my website! <http://www.qsl.net/kc0bom>

>

> AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

>

> ----- Original Message -----
> From: <baltimoreemd@baltimoreemd.com>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Sent: Saturday, December 22, 2001 6:48 AM
> Subject: Re: Phone spectrum land grab, as expected
>
>
> On Sat, 22 Dec 2001, Marshall Emm wrote:
>
> > ARRL to act on another flawed survey?
> >
> > I have two problems with the proposal (my own survey response was that
> no
> > change was necessary except perhaps to remove the power limits).
> >
> > First, although the proposal (and the survey) says firmly that nobody
> will lose
> > any priviledges, I regard having to share spectrum that was exclusively
> for
> > narrow modes, and spectrum that was reserved for the higher license
> classes, as
> > a definite loss of priviledges.
>
> But, the League can engage in membership babble....after all, how many of
> the existing members, and more importantly the new members, have any
> interest in something as outmoded as CW?
> >
> > Second, I believe the survey was fatally flawed in four respects.
> >
> > A) The survey questions were skewed-- you had to choose either "no
> change" or
> > an option that would provide for expansion of the phone bands.
>
> Many pollsters value the fact that the questions and how they are asked
> can bring forth the desired result.
>
> >
> > You can believe that I for one will be talking to my Director. I
suggest
> you
> > do the same. The longest journey begins with but a single step, and
this
> is
> > the SECOND little step on the way to eliminating the CW bands and
Morse
> code.
>
> I have little faith that the directors will listen, but I also plan to

> communicate with mine.
>
> 73,
> Thom
> k3hrn
>
>

Date: Sat, 22 Dec 2001 12:07:09 -0600
From: George Franklin <w0av@juno.com>
To: qrp-1@lehigh.edu
Subject: [115709] Ref. FET's for Toobs Convers
Message-ID: <20011222.120710.-1819405.1.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Fellers,

A day or two ago Arnie (C02KK) and someone else were asking about an article describing a conversion of a Command RX (BC453) to FET's.

The 73 Mag article appeared in Ham Radio for August, 1969, (pages 20-250 and I have a (very poor) copy of the article, which probably won't scan legibly.

According to the author (not identified), the FET's were TIS34's all the way, except for a 2N1306 used as the audio output stage. No circuit changes were required, and the unit worked very well on 12VDC.

In the footnotes, mention is made of an article by Gordon E. White which appeared in the January, 1967, issue of CQ Magazine.

Also, there is a reference to the famous Stoner and Earnshaw publication "The Transistor Radio Handbook," by Editors and Engineers, Ltd., 1963.

I seem to recall a similar article in an old 73 mag, but haven't found it in my collection (pile) of goodies as yet.

Perhaps this will help.

72/73 de George/W0AV
Hamming since '35

Date: Sat, 22 Dec 2001 13:09:00 -0500
From: "Ed Tanton" <n4xy@att.net>
To: <qrp-1@Lehigh.edu>
Subject: [115710] RE: testing crystal finters
Message-ID: <002201c18b13\$bc9efca0\$0ceb5b0c@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Here's the deal Tracy... the filter needs to be "swept" across its passband (plus a bit) because you want to know where it's -6dB and -60dB points are (e.g. its 6dB, & 60dB bandwidths.) You must be applying a signal that's appropriate (in frequency and amplitude) for the filter, usually specified in dBm or perhaps in volts/millivolts. While I'm sure INPUT impedance is important, the OUTPUT impedance is critical to proper filter performance. Whatever impedance is specified, I would use a simple 50-or whatever-ohm carbon resistive load, or (preferably) a 1dB 50-or whatever-ohm carbon pad made from 1/10W or 1/8W resistors. You can measure the output with a 'scope then, and do the numbers (mV change-vs-frequency at 50-or whatever-ohms.) Because what you are looking for is the CHANGE in output amplitude vs frequency, around 9 MHz, you COULD follow the resistive load with a diode, and simply measure a DC voltage to ground-but since you have a good 'scope, that's what I'd use.

NOTES:

- 1) VERY IMPORTANT: unless you use a VERY good sig gen, its output amplitude may vary with frequency. Hopefully, your range is narrow enough that it won't... but I would check it by using ch 1 for the INPUT amplitude (after the pad) and ch 2 for the OUTPUT amplitude at the tuned circuit, or even after the series capacitor.
- 2) I would put a 1dB 50-or whatever-ohm carbon pad made from 1/10W or 1/8W resistors between the signal generator and the filter being tested. This will help to normalize the impedance to 50-or whatever-ohms, and might help in case you crank the output of the sig-gen up too high.
- 3) When I say "swept" above, that doesn't mean you MUST use a "sweep" generator. That would be nice, since you can then watch the amplitudes as they vary across the range of frequencies you have selected for START and FINISH... but the truth is that you're mainly interested in certain points: specified above as the -6dB and -60dB points. As long as the input amplitude remains fairly stable, the output amplitude changes will be quite evident, even when you're 'sweeping' by hand, turning the sig gen's knob yourself.

73 Ed Tanton N4XY <n4xy@arrl.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf
Of Tracy Markham
Sent: Thursday, December 20, 2001 5:11 PM
To: Low Power Amateur Radio Discussion
Subject: testing crystal filters

This is the most active I've ever been on this list!! Great threads this
week ...

I have had in my possession for several (10+) years a pair of KVG 9 MHz
crystal filters. They are expensive buggers, even back then at >\$125
each. I have one XF9A and one XF9B.

I'm sure that their performance does not deteriorate much over the
years, but they've been packed, shipped, packed, shipped, everywhere
I've gone.

I want to build a little test jig to see if they still meet specs, or
function well enough, but I really have no clue how to go about it. I
figured I'd build a fixture with a little match network to feed it and
terminate it properly. But, all I can figure to do is use a circuit out
of a receiver that matched the 500 ohm impedance to 50 ohms like in the
Progressive Receiver by W7ZOI, and terminate it with a 500 ohm resistor.

Is this a good idea?? I figured I'd use my DDS card to sweep the filter
from say 8.5 to 9.5 MHz, and look at the termination with a scope. My
shop has a 100 MHz scope I can use to look at the output.

Questions are, is my idea right, is there a better, or an easier way to
match to it, and what would be a good test if I didn't have a scope.

I did build the progressive receiver by Wes, and it was great - but that was years ago. Then I used the IF amp from that project and the product detector minus audio amps from basically a mini R1, into a sound blaster for a little computer controlled rig. That was fun too.

But all that was years ago and I'd like to see if the filters are still good, and learn a bit about the process in the mean time.

Thanks!!

Tracy N4LGH

Date: Sat, 22 Dec 2001 13:10:28 -0500
From: "Harry Hurst" <wa3ptg@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115711] Re: Phone spectrum land grab, as expected
Message-ID: <002f01c18b13\$efe84260\$0400a8c0@home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It wasn't as bad as it could have been.

We will lose only half the novice band. It could have been all, or sub bands could have been eliminated entirely, like up north.

I don't like it, but I can live with it.

If you want to keep 7100-7125 KHz., use it. Call CQ there instead of patiently explaining to me why my opinion is wrong. I'm setting up shop on 7122 KHz. this week, hope to work a lot of folks on the list there.

Hap, WA3PTG
Wilmington, the Lower Counties

Date: Sat, 22 Dec 2001 18:14:33 +0000 (GMT)
From: Bob Okas <vintage@vintage.best.vwh.net>
To: Dave Fifield <dave@redhotradio.com>

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115712] Measuring xtal power - Redux
Message-ID: <Pine.BSF.4.40.0112221748000.56743-1000000@vintage.best.vwh.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thanks Dave,

It appears that I was using a technique similar to the one you described. Rather than using the 1 Ohm series resistor for current measurement (undoubtedly more precise), my circuit has a 22 Ohm resistor in series with the crystal. That's not original with me, it appeared in various ARRL handbooks.

I had measured the voltage drop across this series resistor using a two channel scope (invert one channel and sum both) and observed 0.8Vpp. My error was not taking the rms value before proceeding. The resulting current is 12.8 mA, not 36 mA. The rms voltage across the crystal is 11.7 so the crystal drive power is 150 mW. A relatively husky FT-243 crystal would have no problem with this, but it appears that at least the 40m crystals which NorCal is selling aren't too stressed by this either.

In the next day or two, I should have my 5763 MOPA rig completed and on the air. I'll inform the list and solicit signal reports.

73,
Bob - W3CD

On Thu, 20 Dec 2001, Dave Fifield wrote:

> Bob,
>
> I measure power dissipation in crystals all the time as a part
> of my job. It's quite easy to do. You have to first measure the
> rms current flowing through the crystal by placing a very small
> known value resistor in series with it, say 1 Ohm. Then, using
> a sensitive differential a.c. voltmeter (e.g. good scope with a
> differential probe....not cheap!) you measure the V_{rms} across
> the resistor. $I_{rms} = V_{rms}/1 \text{ Ohm}$. Then, remove the 1 Ohm
> resistor again, restoring the circuit back to normal, and, using
> the differential a.c. voltmeter, measure the V_{rms} across the
> crystal terminals. Power dissipated in the crystal is approximately
> $P_d = V_{rms} \times I_{rms}$. That's it.
>
> Cheers es 72,
> Dave F.
> AD6A

>
> ----- Original Message -----
> From: "Bob Okas" <vintage@vintage.best.vwh.net>
> Subject: Measuring xtal power - Preaviso: Tube content
> (snip) The concern is avoiding the destruction of the crystal. Typical
> maximum drive power for HC49/U crystals is 5-10mW. How to measure this?
> (snip)
>
>

Date: Sat, 22 Dec 2001 12:14:36 -0600
From: "George, W5YR" <w5yr@att.net>
To: w0av@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115713] Re: Ref. FET's for Toobs Convers
Message-ID: <3C24CD8C.9030A043@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Howard Sartori, W5DA, was probably one of the first to design and build vacuum tube replacements around semiconductors. A Google search on his name/call might turn up something. I know that he wrote several technical papers on this topic.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All incoming and outgoing email virus-checked by Norton Anti-Virus 2002

Date: Sat, 22 Dec 2001 12:15:00 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: "Glowbugs List" <glowbugs@piobaire.mines.uidaho.edu>,
"600m Group" <SHMRG@piobaire.mines.uidaho.edu>,
Subject: [115714] OldTime Radio
Message-ID: <008b01c18b14\$95e67600\$7d11a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi;

I've ran into a few people on these lists that I'm sending this to that enjoy old-time radio shows, so I figured I'd mention that I finally uploaded my old time radio download links page. It's at <http://www.qsl.net/kc0bom/otr/>. I've got quite a few more sites bookmarked that I haven't listed yet, so if the show you like isn't listed check back in a week or so.

72/73/oo

Rob, kc0bom

ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19

Visit my website! <http://www.qsl.net/kc0bom>

AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

Date: Sat, 22 Dec 2001 13:34:42 -0500

From: Bruce Muscolino <w6toy@erols.com>

To: Nv4t@aol.com

Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [115715] Re: "land grab"

Message-ID: <3C24D242.158CA3E3@erols.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Bill,

You were doing allergist with just bringing back the old Novice license! I would also like to see the old two year minimum reinstated for an Extra class license too! I don't know about spark though!

73

Date: Sat, 22 Dec 2001 13:48:46 -0500

From: Bruce Muscolino <w6toy@erols.com>

To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [115716] Re: "land grab"

Message-ID: <3C24D58E.B41B029@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Should read all right! Flakey spell checker!

>

> You were doing allergist with just bringing back the old Novice

>

73

Date: Sat, 22 Dec 2001 14:17:19 -0500
From: John Wagner <john@wagner-usa.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115717] Re: Phone spectrum land grab, as expected
Message-ID: <3C24DC3F.C71C6D97@wagner-usa.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> CW is alive. It was the first digital mode & gets through when other modes
> fail. Reliance on computers offers a false sense security. They

True. It also relies on skilled operators being able to work it. Fact of the matter is though, history (recent, like the last 30 or 40 years) has proven that there HAS NOT been such a need skilled CW operators which would warrant the public allocation of bandwidth which we presently have.

> Some reckey - tech ops don't know a diode from resistor. CW requires
> skill. CW operators take communications seriously, they use their brain,

Does CW require you to know a diode from a resistor? If not, what's the point of bringing it up?

CW requires CW skill, that's all.

> not machines. A computer will generate error messages if problems exist.
> CW operators ask for fills. CW requires little bandwidth. Besides, it's

Computers ask for fills too.

> QRP was dead until we realized the minimal difference between "Rock
> Crushing QRO" transmissions and spectrum / power conservation. How may
> Tuna Tins operate Phone? Ladies & Gentlemen define the argument. Throw out

> specious thoughts ... yep organizational politics, and machinations are
> involved, but that's life. Did you participate in the survey? Or are you
> happy letting others do the field work while you enjoy the fruits of their
> labors? Can't take heat, Can't take criticism ... or debate? Get out of the
> kitchen ...

>

> CW is alive and well, better yet, It's FUN. 73, Ron W2WU

Unfortunately our "fun" is not in the best interest of the public nor is
our "fun" a valid reason for reserving large segments of bandwidth and
wasting it.

The ARRL is making the correct recommendation. I've yet to see an
argument (or hear activity on our CW bands) to convince me otherwise.

>

> I'm ready for the flames!

Shouldn't be any. I hope this doesn't come across as one anyway. Nothing
like a good code war for the holidays. ;)

73 de John, N1QO

>

> **Please Post on QRP-L reflector** I'm a list member but the software says
> I'm not. Reason: Changed ISP & the list hasn't caught up. Who can correct
> this? I've been trying for three weeks, can't reach anyone. Resubscribed
> it

> ok'ed me but problem continues & I'm getting all posts!

> ----->

>

> 72/73/oo

> Rob, kc0bom

> ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19

>

> -----

> Visit my website! <http://www.qsl.net/kc0bom>

>

> AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

--

John Wagner - john@wagner-usa.net

Web page: <http://www.neknetwork.com>

Date: Sat, 22 Dec 2001 14:16:41 -0500

From: "Mike Yetsko" <myetsko@insydesw.com>

To: <brian@iquest.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [115718] Re: Basement Shack Revisited
Message-ID: <004301c18b1d\$321da2c0\$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

There are certain 'minimum radius' figures for different coax types. If you bend a coax in less than it's minimum radius spec, the center conductor will 'migrate' and the impedance will change. In extreme cases, it will short.

And it can take time. It may be fine today, but not in a few days. Or a few weeks.

And it may not be a 'hard' failure. It may just be an impedance bump at that spot in the cable.

Mike

> Someone told me that if your coax feedlines have a lot of sharp bends
> in them, like a couple of 90's around a box or something, that it has
> some pretty serious adverse effects on efficiency and higher than QRP
> power levels.
>
> Is this true?
>

Date: Sat, 22 Dec 2001 14:32:19 -0500
From: "Chuck Roedel" <cr@captainofthecLOUDS.com>
To: <qrp-1@lehigh.edu>
Subject: [115719] Fw: Phone spectrum land grab, as expected
Message-ID: <002001c18b1f\$620953b0\$6501a8c0@AVIATOR>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I agree, Ron!

As a recently retired elementary school teacher I've witness the "dumbing

down of America" in the name of progress !! I left the profession because of it.

Chuck, WA2MXR
amateur extra class - "when ya had to do 20 wpm"

----- Original Message -----

From: "Rob Matherly" <kc0bom@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, December 22, 2001 1:01 PM
Subject: Re: Phone spectrum land grab, as expected

> (Gladly sent on behalf of w2wurjj@verizon.net, details in his msg)
>
> <-----
> CW is alive. It was the first digital mode & gets through when other modes
> fail. Reliance on computers offers a false sense security. They
> malfunction causing data loss. Try using a lap-top with dead batteries.
> Does an ELT use a computer? NO ...it's a CW or MCW beacon. Computers have
> killed CW interests in the name of progress.
>
> Some reckey - tech ops don't know a diode from resistor. CW requires
> skill. CW operators take communications seriously, they use their brain,
> not machines. A computer will generate error messages if problems exist.
> CW operators ask for fills. CW requires little bandwidth. Besides, it's
> FUN. SSB aka "Slip Slop & Burp" is modified AM "ancient modulation".
> Don't misunderstand me. I enjoy all modes, they all have their respective
> niche, command respect and balance our hobby.
>
> QRP was dead until we realized the minimal difference between "Rock
> Crushing QRO" transmissions and spectrum / power conservation. How may
> Tuna Tins operate Phone? Ladies & Gentlemen define the argument. Throw out
> specious thoughts ... yep organizational politics, and machinations are
> involved, but that's life. Did you participate in the survey? Or are you
> happy letting others do the field work while you enjoy the fruits of their
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>
> CW is alive and well, better yet, It's FUN. 73, Ron W2WU
>
> I'm ready for the flames!
>
> **Please Post on QRP-L reflector** I'm a list member but the software
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> I'm not. Reason: Changed ISP & the list hasn't caught up. Who can correct

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> ok'ed me but problem continues & I'm getting all posts!
> ----->
>
> 72/73/oo
> Rob, kc0bom
> ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19
>
> -----
> Visit my website! <http://www.qsl.net/kc0bom>
>
> AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net
>

Date: Sat, 22 Dec 2001 13:38:07 -0600
From: Jim <sunwatt@starband.net>
To: QRP-L <qrp-L@Lehigh.edu>
Subject: [115720] Holiday Milliwatt CW Contest 12/26-12/29/01
Message-ID: <3C24E11F.EDF0690D@starband.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Forgive me if this has been posted before.

Jim KJ5TF
"All Milliwatts, All The Time"

=====
Holiday Milliwatt CW Contest - 2001 (See Description For Times)

Date: Wednesday, December 26, 2001
Time: All Day

CONTEST: Holiday Milliwatt CW contest - 2001.

DATES AND TIMES: Wednesday, Dec. 26, 2001, 1800Z to 2200Z,
Thursday, Dec.
27, 2000Z to 0000Z and, Friday, Dec. 28, 2200Z to 0200Z,
Saturday, Dec.29.

The complete rules will appear at www.Knightlites.org, and are
listed below
for your convenience.

Contestants may submit a log for only 2 days of the 3 day contest.

FREQUENCIES: 160M, 80M, 40M, 20M, 15M, 10M, near standard QRP calling frequencies.

EXCHANGE: Exchange RST, SPC, First Name, PWR. (Club) Suggest using W as decimal point when reporting power. I.e., 1W5 = 1.5W, W5 = 500mW, W25 = 250mW, W02 = 20mW.

SCORING: QSO points are awarded to contestants according to their power output. Power may be changed from QSO to QSO and must be noted in the log.

1001mW and over	1	Point
501mW to 1000mW	2	Points
251mW to 500mW	4	Points
101mW to 250mW	8	Points
51mW to 100mW	16	Points
26mW to 50mW	32	Points
11mW to 25mW	64	Points
1mW to 10mW	128	Points
<1mW	500	Points

NOTE: No schedules or prearranged contacts between stations are permitted.

BONUS MULTIPLIER: Number of identical first letters of first names worked.

I.e., worked Jim, John, Jennie, Joe, Jack, = 5 multiplier.

Note: one name

only counts once - if you work 10 Jacks, that's still just one multiplier.

CLUB BONUS: Anyone who works a club station (Clubs add "Club" to the exchange) which is running the specified power levels listed below collects bonus points as follows:
(Clubs will not raise or lower power to accommodate a single QSO.)

900mW 1,000 points
500mW 2,000 points
250mW 3,000 points
100mW 4,000 points
50mW 5,000 points

Calculate score for each days activity:

(QSO Points) X (Total SPC Multipliers all bands) X (Bonus Multiplier)

+

(Club Bonus total) = Daily Score.

Add the two best daily scores to find Total Score.

PRIZES: Highest single operator score will receive a Keylite Kit from the Knightlites QR

Date: Sat, 22 Dec 2001 14:52:43 -0500
From: "George Heron N2APB" <n2apb@erols.com>
To: "QRP-L" <qrp-l@lehigh.edu>, <njqrp@njqrp.org>
Subject: [115721] Re: Build a Logging Frequency Counter
Message-ID: <007601c18b22\$3ab42d00\$21c53ad0@GHLTP4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've placed a series of much better 'scope photos of the signal waveforms on the web page. <http://www.njqrp.org/freqcntr/index.html>

And BTW, if interested, we can supply the signal shaper components and a piece of pcb material, along with the pre-programmed SX chip containing the FreqCntr software, for a no-profit charge of \$6. All you'd need to do is pop this newer SX chip into your Beacon pcb, build up the simple 1-transistor shaper circuit, and you'll be in business.

Thanks for all the positive feedback for this project.

73, George N2APB
n2apb@amsat.org

George Heron, N2APB
2419 Feather Mae Court
Forest Hill, MD 21050

(or PayPal to n2apb@amsat.org)

Date: Sat, 22 Dec 2001 12:09:55 -0800
From: "Mike Silva" <mjsilva697@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [115722] First batch of 5763s shipped
Message-ID: <00a201c18b24\$a076ac60\$78fab3d1@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just hauled my own sack of 5763 packages down to the post office this morning (tried earlier this week, couldn't even park, gave up!). I had to scrounge up a motley assortment of boxes and padded bags, but they're all well packed and on their way now. I know there are still a few orders on their way to me so I'll be making another run when those arrive.

73,
Mike, KK6GM

Date: Sat, 22 Dec 2001 20:24:25
From: "Bruce Prior" <n7rr@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [115723] FS: Yaesu FT-817 & Red Hot Radio NorCal 20
Message-ID: <F38W4YzQa5zpHmNlgq60000e2ff@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

For sale:
 Mint Yaesu FT-817: \$550 including
 Red Hot Radio NorCal 20 in excellent condition: \$140
North American shipping included for either or both.
Please respond off-line.

Thanks and 72,
Bruce Prior N7RR
(360) 332-6046
n7rr@arrl.net

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

Date: 22 Dec 2001 12:24:46 -0800
From: W2BJ <w2bj@minsky.info>
To: mjsilva697@earthlink.net
Cc: qrp-1@Lehigh.EDU
Subject: [115724] Re: First batch of 5763s shipped
Message-ID: <20011222202446.164.cpmta@c001.snv.cp.net>
Content-Type: text/plain
Content-Disposition: inline
Mime-Version: 1.0

On Sat, 22 December 2001, "Mike Silva" wrote:

>
> I just hauled my own sack of 5763 packages down to the post office this
> morning

Mike,
What is a 5763?

72/73, Barry J. Minsky, W2BJ ARRL, QRP ARCI #8871,
NorCal #1560, QRP-L, FISTS #2701, Century Club
#569, Platinum #51, Silver #119, FISTS CW Club of
Coastal Georgia, Knightlites, Adventure Radio
Society #359, QCWA #29298, OOTC #3723, SOC #193,
K2 #577, K1 #98

Date: Sat, 22 Dec 2001 20:27:26 +0000
From: Dragon Singer <WM-Scace@wiu.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115725] Need HELP finding info
Message-ID: <5.1.0.14.0.20011222202650.03660ca0@pop3.wiu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Gang,
Wayne K9DI es Sequoia here. I've sort of been bitten by the bug,
which bug you ask? The "Glowbug" bug! However I need some help finding
info on how to get started with hollow state tech. The reason hollow state
has me excited is that most of the components are big enough so that even I

(with only 5% usable vision) can probably HB something using it. How do I get started? Where do I find tool, supplies, info, mentors??

72 es have a Very MERRY Christmas!!

M00/00

Respectfully and Sincerely Yours,

Wayne M. Scace

k9di@arrl.net

LICQ# 315313

FISTS# 4409

QRP-L# 2313

FPQRP-L# 217

SOC# 452

ARS # 1,082

Zombie # 800

<http://k9di.homestead.com/K9DIHam1.html>

Date: Sat, 22 Dec 2001 15:44:55 -0500

From: "Brice D. Hornback" <bdh@cyberbound.net>

To: <WM-Scace@wiu.edu>,

"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [115726] Re: Need HELP finding info

Message-ID: <0f7801c18b29\$83bff540\$7001a8c0@lwrnc1.in.home.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Wayne,

Over on the QRPP-I list, I just gave away a dozen brand new (NOS) Sylvania JAN 3A5 dual triodes with sockets and we're going to do a small tube project. Check out the archives. You can follow along. Maybe this will help.

73/72/71! de Brice KA8MAV

<http://www.QRPP-I.com>

----- Original Message -----

From: "Dragon Singer" <WM-Scace@wiu.edu>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Saturday, December 22, 2001 3:27 PM

Subject: Need HELP finding info

> Hi Gang,
> Wayne K9DI es Sequoia here. I've sort of been bitten by the bug,
> which bug you ask? The "Glowbug" bug! However I need some help finding
> info on how to get started with hollow state tech. The reason hollow
state
> has me excited is that most of the components are big enough so that even
I
> (with only 5% usable vision) can probably HB something using it. How do I
> get started? Where do I find tool, supplies, info, mentors??
> 72 es have a Very MERRY Christmas!!
> M00/00
>
> Respectfully and Sincerely Yours,
>
> Wayne M. Scace
>
> k9di@arrl.net
> LICQ# 315313
> FISTS# 4409
> QRP-L# 2313
> FPQRP-L# 217
> SOC# 452
> ARS # 1,082
> Zombie # 800
> <http://k9di.homestead.com/K9DIHam1.html>
>

Date: Sat, 22 Dec 2001 16:11:19 EST
From: FIVEWATTS@aol.com
To: antennas@qth.net
Cc: qrp-l@lehigh.edu
Subject: [115727] Re: window antennas and good DX with QRP prices
Message-ID: <72.14f1a7b3.295650f7@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Gang,
I'm almost finished with another window antenna here.
Diane told me that Staples has a telescopic fishing pole (METAL she thinks)
with a nice looking reel for \$20.00.
You can't beat the metal poles.
My 9 footer bagged me 35 DX stations in Europe last week.

Cut it at the bottom and drill a 3/8 hole in the 7 inch long wooden dowel and wind a coil.

Shove the sections through and sand down all the sections then slide them back.

Thanks to Dave W0CH I decided to copy his and try different wire sizes and coil turns.

I also received a lot of info from George, W5YR.

I'm going to Staples now and look at that pole.

I'll post it here if it's metal.

73

Bob

WA2HOQrp <tm> Daves URL <http://www.qsl.net/w0ch/foreign/details.htm>

Date: Sat, 22 Dec 2001 16:24:48 -0500

From: "Brian" <brian@iquest.net>

To: <FIVEWATTS@aol.com>,

"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [115728] Re: window antennas and good DX with QRP prices

Message-ID: <00b201c18b2f\$162cc0c0\$33492bd1@bmurrey2K>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Staples?? As in Staples the office supply place?

They sell fishing poles?

I WANT TO WORK IN THAT OFFICE!

=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
TEN TEC SCOUT @ 5W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====

----- Original Message -----

From: <FIVEWATTS@aol.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Saturday, December 22, 2001 4:11 PM

Subject: Re: window antennas and good DX with QRP prices

> Hi Gang,
> I'm almost finished with another window antenna here.
> Diane told me that Staples has a telescopic fishing pole (METAL she thinks)
> with a nice looking real for \$20.00.
> You can't beat the metal poles.
> My 9 footer bagged me 35 DX stations in Europe last week.
> Cut it at the bottom and drill a 3/8 hole in the 7 inch long wooden dowel and
> wind a coil.
> Shove the sections through and sand down all the sections then slide them
> back.
> Thanks to Dave W0CH I decided to copy his and try different wire sizes and
> coil turns.
> I also received a lot of info from George, W5YR.
> I'm going to Staples now and look at that pole.
> I'll post it here if it's metal.
> 73
> Bob
> WA2HOQrp <tm> Daves URL
<http://www.qsl.net/w0ch/foreign/details.htm>
>
>

Date: Sat, 22 Dec 2001 15:21:00 -0600
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-l@lehigh.edu
Subject: [115729] NorCal's QRPP - New Fall 2001 Issue
Message-ID: <5.1.0.14.0.20011222144448.00a1a3a0@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Wow!!!!!!

That's all I can say about the current issue featuring a unique collection of one-page QRP, homebrew and related articles. By my fast count more than sixty!

The mail lady delivered QRPP at 12:30 p.m. and I reluctantly took my first break from the pages an hour and forty-five later. Just now, actually! Really glad I got the honey-do's out of the way early today! <g>

I trust all of the contributors will accept my sincere thanks and appreciation for making such fine work available to the low power community. And, to KI6DS for providing the creativity and editorial leadership to assemble such a remarkable collection.

Not sure if it is possible for Doug Hendricks, Jim Cates and NorCal to present such a unique issue annually. I leave that decision in their capable hands but already know that the issue lying here next to the keyboard will be referred to for many years as something very special.

QRPP subscribers are the beneficiaries this quarter but they know that already. I'm eating the drum for those that have not yet taken the plunge because the information presented in that publication truly needs to be shared.

Thanks OM's and Happy Holidays to all!

de Dave, NF0R nf0r@slacc.com

Date: Sat, 22 Dec 2001 14:36:30 -0700
From: "Francis Callahan" <colcal@srv.net>
To: <lenrev@ameritech.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115730] Re: Phone spectrum land grab, as expected
Message-ID: <001501c18b30\$b949d800\$98de070c@callahan>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

There is a answer to ARRL going through with the changes is everyone drop membership for a year and see if that makes a difference to them 72 Cal KF7ET

----- Original Message -----

From: "Len Revelle" <lenrev@ameritech.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, December 22, 2001 9:05 AM
Subject: RE: Phone spectrum land grab, as expected

> The league is going to recommend whatever will increase general ham
> numbers, and their membership. Increased membership means increased ad
> revenue and increases their perception that ARRL speaks for all hams.
>

> That said, I have no doubt we will see our current band plans change to
> the eventual elimination of mode exclusive subbands. We can talk about
> CW being outdated or glorify the need to perpetuate advanced digital
> modes but the simple answer will be that, as the old phardts (like me)
> die out, so will much of CW. We will continue to see limited specialized
> modes but the numbers will not be impressive. We will see the number of
> phone operators increase because it's a no-brainer.

>

> The league is simply perpetuating what the masses want ham radio to
> become. I don't like it, but I see it.

>

> -----Original Message-----

> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf
> Of Rob Matherly

> Sent: Saturday, December 22, 2001 9:36 AM

> To: Low Power Amateur Radio Discussion

> Subject: Re: Phone spectrum land grab, as expected

>

>

> <---

> But, the League can engage in membership babble....after all, how many
> of the existing members, and more importantly the new members, have any
> interest in something as outmoded as CW?

> --->

>

>

Date: Sat, 22 Dec 2001 16:43:37 -0500

From: "W3CDE Jerry L." <w3cde@bellsouth.net>

To: w2bj@minsky.info

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [115731] Re: First batch of 5763s shipped

Message-ID: <3C24FE89.4F2E2810@bellsouth.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

The 5763 is the sweetheart of many builders and the ideal
driver... Great output with lil drive.

Jerry

W3CDE

since '53

>
> Mike,
> What is a 5763?
>
> 72/73, Barry J. Minsky, W2BJ ARRL, QRP ARCI #8871,
> NorCal #1560, QRP-L, FISTS #2701, Century Club
> #569, Platinum #51, Silver #119, FISTS CW Club of
> Coastal Georgia, Knightlites, Adventure Radio
> Society #359, QCWA #29298, OOTC #3723, SOC #193,
> K2 #577, K1 #98
>
>

Date: Sat, 22 Dec 2001 16:45:43 -0500 (EST)
From: kaliic <kaliic@prexar.com>
To: Bruce Muscolino <w6toy@erols.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115732] Re: "land grab"
Message-ID: <Pine.LNX.4.33.0112221644450.267-100000@VinceWerber.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I agree...
BTW "land grab" has a double meaning to this Cherokee 80)
Vince
kaliic
-.-.-.

If you can't convince them, confuse them.
--Harry S. Truman
On Sat, 22 Dec 2001, Bruce Muscolino wrote:

>
> Bill,
>
> You were doing allergist with just bringing back the old Novice
> license! I would also like to see the old two year minimum reinstated
> for an Extra class license too! I don't know about spark though!
>
> 73
>

Date: Sat, 22 Dec 2001 16:49:38 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: colcal@srv.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115733] Re: Phone spectrum land grab, as expected
Message-ID: <3C24FFF2.642D1AA2@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You know, I have been playing radio since the age of sixteen, most in part to a High School Club Station(VE3SEC), before that I was interested in electronics as a pre-teen, I am now 36(37 in Feb 2002). But I have never had any interest in picking up a microphone and rag chewing. I enjoy the code, I find it private, and a distance from the anyone can use phone mode. Morse code to me is soothing, and like music, I even put on random high speed code tapes when driving, and when in the shack, I am always listening to someones cw conversation.

We have to do what we can to keep our sub bands, and make cw live forever on the spectrum, it was the start of teh hobby, and must remain in tact.

Anyway, just wanted to add my piece.

CW Forever.....

72

Fred

VE3FAL

QRP is not for sissies.....

You can do so much with so little...

Francis Callahan wrote:

>

> There is a answer to ARRL going through with the changes is everyone drop
> membership for a year and see if that makes a difference to them 72 Cal KF7ET

> ----- Original Message -----

> From: "Len Revelle" <lenrev@ameritech.net>

> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

> Sent: Saturday, December 22, 2001 9:05 AM

> Subject: RE: Phone spectrum land grab, as expected

>

> > The league is going to recommend whatever will increase general ham
> > numbers, and their membership. Increased membership means increased ad
> > revenue and increases their perception that ARRL speaks for all hams.

> >

> > That said, I have no doubt we will see our current band plans change to
> > the eventual elimination of mode exclusive subbands. We can talk about

> > CW being outdated or glorify the need to perpetuate advanced digital
> > modes but the simple answer will be that, as the old phardts (like me)
> > die out, so will much of CW. We will continue to see limited specialized
> > modes but the numbers will not be impressive. We will see the number of
> > phone operators increase because it's a no-brainer.
> >
> > The league is simply perpetuating what the masses want ham radio to
> > become. I don't like it, but I see it.
> >
> > -----Original Message-----
> > From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf
> > Of Rob Matherly
> > Sent: Saturday, December 22, 2001 9:36 AM
> > To: Low Power Amateur Radio Discussion
> > Subject: Re: Phone spectrum land grab, as expected
> >
> >
> > <---
> > But, the League can engage in membership babble....after all, how many
> > of the existing members, and more importantly the new members, have any
> > interest in something as outmoded as CW?
> > ---->
> >
> >

Date: Sat, 22 Dec 2001 16:38:23 -0500
From: "Mike Branca" <w3irz@att.net>
To: <qrp-1@Lehigh.EDU>
Subject: [115734] Testing crystal filters
Message-ID: <04c901c18b32\$6760b020\$d8eb5b0c@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry but I had to correct the spelling! There have been a lot of suggestions on how to sweep a crystal filter with some being wild guesses and others being right on. QST had published in the January and February 1998 magazines an article "Build Your Own Network Analyzer". This device (Personal Network Analyzer) which you can build from the information provided with the available FAR circuit boards is both a transmitter and receiver combined in a single unit. There is a DDS VFO that is controlled by your computer and after it sweeps your filter a graph is displayed on your CRT. A print feature allows a paper copy to be analyzed. The software is free.

With my PNA I was able to build a couple of SSB filters and I also tested a lot of commercial filters. I even repaired the SSB filter from an old HW-101 after sweeping it, analyzing it, cutting it open and insulating a shorted connection.

If someone is interested in this project I may be of help in locating the DDS chip.

Mike Branca W3IRZ in Conyers Georgia

Date: Sat, 22 Dec 2001 16:55:26 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: <colcal@srv.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115735] Re: Phone spectrum land grab, as expected
Message-ID: <0fd901c18b33\$5d4e73a0\$7001a8c0@lwrnc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I haven't renewed yet and if that's the kind of "survey" that is going to make changes to my life... well... I'm going to *seriously* reconsider renewing. This is definately one instance the ARRL does NOT speak for me and if those changes go through... I will not be a part of it.

72/73 DE KA8MAV (Brice)
Indianapolis, IN EM79au
QRPP-I #1, QRP ARCI #10972, QRP-L #2360, ARRL
KLQRP, FPQRP -156, ARS #1,138, NETXQRP #27
AOL Instant Messenger ID: ka8mav
Yahoo! Instant Messenger ID: bdhornback

QRPP International Radio Club
Tiny-Tornado Transceiver Kits
<http://www.QRPP-I.com>

----- Original Message -----
From: "Francis Callahan" <colcal@srv.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, December 22, 2001 4:36 PM
Subject: Re: Phone spectrum land grab, as expected

> There is a answer to ARRL going through with the changes is everyone drop

> membership for a year and see if that makes a difference to them 72 Cal
KF7ET

> ----- Original Message -----

> From: "Len Revelle" <lenrev@ameritech.net>

> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> Sent: Saturday, December 22, 2001 9:05 AM

> Subject: RE: Phone spectrum land grab, as expected

>

>

> > The league is going to recommend whatever will increase general ham
> > numbers, and their membership. Increased membership means increased ad
> > revenue and increases their perception that ARRL speaks for all hams.

> >

> > That said, I have no doubt we will see our current band plans change to
> > the eventual elimination of mode exclusive subbands. We can talk about
> > CW being outdated or glorify the need to perpetuate advanced digital
> > modes but the simple answer will be that, as the old phardts (like me)
> > die out, so will much of CW. We will continue to see limited specialized
> > modes but the numbers will not be impressive. We will see the number of
> > phone operators increase because it's a no-brainer.

> >

> > The league is simply prepetuating what the masses want ham radio to
> > become. I don't like it, but I see it.

> >

> > -----Original Message-----

> > From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf
> > Of Rob Matherly

> > Sent: Saturday, December 22, 2001 9:36 AM

> > To: Low Power Amateur Radio Discussion

> > Subject: Re: Phone spectrum land grab, as expected

> >

> >

> > <---

> > But, the League can engage in membership babble....after all, how many
> > of the existing members, and more importantly the new members, have any
> > interest in something as outmoded as CW?

> > --->

> >

> >

>

Date: Sat, 22 Dec 2001 16:58:36 -0500

From: "W3CDE Jerry L." <w3cde@bellsouth.net>

To: dafouchey@home.com

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [115736] Re: All this discussion about Home Brew Tube Rigs Reminds Me
Message-ID: <3C25020C.19592E58@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I just opened up a new VCR and it is now down to 3 IC's

Motorola has just come up with a COMPLETE tuner for a TV
VHF/UHF on a LSI chip and will go for \$9.95 in SINGLE
quantities!! Pretty soon we will all be purchasing
"vaporware" 8-)..

Jerry
W3CDE

Dave Fouchey wrote:

>
> Of all the rigs that were built using parts scrounged from a Kitchen Radio
> and an old TV Chassis. Darn near EVERYTHING but the Crystals and the tank
> Coils could be scrounged from those two items.
>
> Then you look into one of the modern Television Sets and just shake your
> head and head for a catalog to look at store bought rigs..
>
> Guess I am showing my age.
>
> 73's
> Dave
> WA4EMR/8

Date: Sat, 22 Dec 2001 17:21:43 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: <qrp-1@Lehigh.EDU>
Subject: [115737] TINY-TORNADO UPDATE
Message-ID: <101d01c18b37\$09303160\$7001a8c0@lwinc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I don't know what to say... It seems I shipped out almost ALL the kits in
this last batch with the wrong resistors. I'm SORRY. I did my best but I
made a mistake. If you ordered a kit, please check the resistors when you
receive it. I will be correcting this as quickly as possible.

Again... I'm sorry.

73/72/71! de Brice KA8MAV
(feeling VERY stupid right now...)

Date: Sat, 22 Dec 2001 17:33:21 EST
From: FIVEWATTS@aol.com
To: brian@iquest.net, qrp-1@lehigh.edu
Subject: [115738] Re: window antennas and good DX with QRP prices
Message-ID: <10.173d1cac.29566431@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 12/22/01 4:23:30 PM Eastern Standard Time,
brian@iquest.net writes:

<<
Staples?? As in Staples the office supply place?

They sell fishing poles?

>>
YUP,
They even sell food, soap, bleach chairs lamps soda and crackers and yes a real
nice fishing kit for \$20.00.
You can eat and shop till you drop or both
I just got back and the rod will collapse to appx a foot but it's plastic of
some sort.
Comes with hooks and a 10 in 1 tool plus a nice looking reel.
Fits in the pack nice.
Bob
WA2HOQrp <tm>

Date: Sat, 22 Dec 2001 14:53:19 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: "Tom" <n1tp@worldnet.att.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115739] Re: FOX: CUB HUNT CHRISTMAS DAY
Message-ID: <20011222225320.9409.qmail@earthlink.net>
Content-Type: text/plain; charset="iso-8859-1"
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

MIME-Version: 1.0

Tom, I think you've been "Elmering" a bit too much, Hi!

Best 72/73's

Trev

KG6CYN

-----Original Message-----

From: "Tom" <n1tp@worldnet.att.net>

Date: Sat, 22 Dec 2001 09:18:41 -0500

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: FOX: CUB HUNT CHRISTMAS DAY

> CUB HOUNDS:

>

> De Cub FOX Chwistmas evening wiww be N1TP in SW

> Fwowida.

>

> I'd wike to stawt on ow near 7.053.

>

> I'ww wisten UP and DOWN at weast 0.5 and not mowe

> than 3.0 KHz.

>

> I'ww not wisten cwosew then 0.5 KHz whiwe mowe

> than one hound

> is cawwing. PWEASE SPWEAD OUT! I wiww not favow

> 0.5, 1.0, 1.5,

> ow 2.0, etc.

>

> If onwy one hound is cawwing, it's easy to pick

> out the Hound's caww

> sign, but when many hounds awe cawwing at QWP

> powew wevews the cawwing

> hounds usuawwy cancel out each othews' signaws and

> it's awphabet soup!

>

> My exchange wiww be "KI0II 559 FW TOM 5W KI0II BK"

>

> I'ww wowk the edges AWAY fwom my twansmitting

> fweqwency whiwe the piwe

> up wasts. You can send youw caww as many times as

> you can in 15 seconds.

>

> I'ww twy to pick out mowe than 1 caww and caww

> mowe than 1 hound between

> "Hounds' cawws. "TU" does NOT mean "caww me." "TU"

> means I've weceived

> the wast Hound's info.
>
> Only "FOX" means "Caww me."
>
> N1TP, Tom
> Napwes, Fwowida
>
>
>
>

--

Date: Sat, 22 Dec 2001 17:03:20 -0600
From: "George, W5YR" <w5yr@att.net>
To: "qrp-l@Lehigh.edu" <qrp-l@Lehigh.edu>
Subject: [115740] Solid State Tube Substitution
Message-ID: <3C251138.83A66B64@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The following was sent to me with a request that it be posted here on QRP-L for those interested in this topic. Chris can be reached at Cwkmail@aol.com.

--

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All incoming and outgoing email virus-checked by Norton Anti-Virus 2002

George,

I saw your QRP-L posting of December 22nd, in which you, among others, were looking for articles on solid-state replacements for tubes. Here's a list of the articles that I have on the subject:

Helfrick, Albert D. (K2BLA)
"Mosfets for tubes"

QST, December 1969, pp. 28 - 30, 98.

Sartori, Howard J. (W5DA)
"Solid-state tubes - a new life for old designs"
QST, April 1977, pp. 45 - 50.

Sartori, Howard J.
Technical Correspondence: "Questions on solid-state tubes answered"
QST, September 1977, pp. 38 - 39.

Larson, James M. (KF7M)
"A solid-state 75A-4 receiver"
Ham Radio, November 1988, pp. 66 ff.

Larson, James M.
"Solid-state 75S-3 receiver"
Communications Quarterly, Spring 1991, pp. 37 - 53.

I'd appreciate it if you'd post this list on QRP-L, since, among list members, there seems to be substantial interest in this subject.
(Unfortunately my ISP is AOL, and the QRP-L server refuses to accept E-mail from AOL, which is in HTML format.)

Seasons greetings to you and yours.

72 de,

Chris Kirk, NV1E
Shrewsbury, MA

-

Date: Sat, 22 Dec 2001 15:11:37 -0800
From: "Dave Fifield" <dave@redhotradio.com>
To: "Bob Okas" <vintage@vintage.best.vwh.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115741] Re: Measuring xtal power - Redux
Message-ID: <000a01c18b3e\$02344de0\$0200a8c0@pacbell.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

FB Bob,

I think 150mW is going to severely reduce the life of any crystal. You may like to consider putting a resistor in series with the crystal - find the highest value that allows it to oscillate nicely. Depending on the exact circuit, that may be as low as 2200hms (or lower) or as high as 100KOhms (as I found I needed in the NC20 AFA oscillator!).

Good luck and have fun with it - I look forward to seeing your results.

Cheers es 72,
Dave Fifield, AD6A

----- Original Message -----

From: "Bob Okas" <vintage@vintage.best.vwh.net>

To: "Dave Fifield" <dave@redhotradio.com>

Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Saturday, December 22, 2001 10:14 AM

Subject: Measuring xtal power - Redux

Thanks Dave,

It appears that I was using a technique similar to the one you described. Rather than using the 1 Ohm series resistor for current measurement (undoubtedly more precise), my circuit has a 22 Ohm resistor in series with the crystal. That's not original with me, it appeared in various ARRL handbooks.

I had measured the voltage drop across this series resistor using a two channel scope (invert one channel and sum both) and observed 0.8Vpp. My error was not taking the rms value before proceeding. The resulting current is 12.8 mA, not 36 mA. The rms voltage across the crystal is 11.7 so the crystal drive power is 150 mW. A relatively husky FT-243 crystal would have no problem with this, but it appears that at least the 40m crystals which NorCal is selling aren't too stressed by this either.

In the next day or two, I should have my 5763 MOPA rig completed and on the air. I'll inform the list and solicit signal reports.

73,
Bob - W3CD

On Thu, 20 Dec 2001, Dave Fifield wrote:

> Bob,
>

> I measure power dissipation in crystals all the time as a part
> of my job. It's quite easy to do. You have to first measure the
> rms current flowing through the crystal by placing a very small
> known value resistor in series with it, say 1 Ohm. Then, using
> a sensitive differential a.c. voltmeter (e.g. good scope with a
> differential probe....not cheap!) you measure the V_{rms} across
> the resistor. $I_{rms} = V_{rms}/1 \text{ Ohm}$. Then, remove the 1 Ohm
> resistor again, restoring the circuit back to normal, and, using
> the differential a.c. voltmeter, measure the V_{rms} across the
> crystal terminals. Power dissipated in the crystal is approximately
> $P_d = V_{rms} \times I_{rms}$. That's it.
>
> Cheers es 72,
> Dave F.
> AD6A
>
> ----- Original Message -----
> From: "Bob Okas" <vintage@vintage.best.vwh.net>
> Subject: Measuring xtal power - Preaviso: Tube content
> (snip) The concern is avoiding the destruction of the crystal. Typical
> maximum drive power for HC49/U crystals is 5-10mW. How to measure this?
> (snip)
>
>

Date: Sat, 22 Dec 2001 16:11:05 -0700
From: "Galahad" <galahad@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115742] couple of cool sites
Message-ID: <007001c18b3d\$ef1b6360\$dba8510c@cnelsons>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Saw these links on tech TV.

A tin sized headphone amp and a wind up charger for the portable qrp
type's

neat stuff, happy Holidays one and all!

http://headwize.com/projects/cmoy2_prj.htm head phone amp
http://www.cellular.co.za/accessories/generic/chargers/freeplay-windup_battery_charger.htm

NO ADVENTURE WITHOUT ADVERSITY
Chad Nelson KD7FDU
Boise Id

Date: Sat, 22 Dec 2001 15:26:27 -0800
From: "Mike Silva" <mjsilva697@earthlink.net>
To: <qrp-l@lehigh.edu>
Subject: [115743] Re: First batch of 5763s shipped
Message-ID: <011601c18b40\$151d63e0\$78fab3d1@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The 5763 is a beam-power tube that makes an excellent oscillator, buffer and/or low-power final (up to about 10W out). I got a bunch of pristine 1980's mil. surplus ones that I've been offering for \$1 each (limit 5) plus \$2 postage, to help spread the glow.

73,
Mike, KK6GM

----- Original Message -----
From: "W2BJ" <w2bj@minsky.info>
To: <mjsilva697@earthlink.net>
Cc: <qrp-l@Lehigh.EDU>
Sent: Saturday, December 22, 2001 12:24 PM
Subject: Re: First batch of 5763s shipped

> On Sat, 22 December 2001, "Mike Silva" wrote:
>
> >
> > I just hauled my own sack of 5763 packages down to the post office this
> > morning
>
> Mike,
> What is a 5763?
>
> 72/73, Barry J. Minsky, W2BJ ARRL, QRP ARCI #8871,
> NorCal #1560, QRP-L, FISTS #2701, Century Club
> #569, Platinum #51, Silver #119, FISTS CW Club of
> Coastal Georgia, Knightlites, Adventure Radio
> Society #359, QCWA #29298, OOTC #3723, SOC #193,

> K2 #577, K1 #98

>

>

Date: Sat, 22 Dec 2001 18:31:38 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [115744] 5763 Tx- It works!
Message-ID: <3.0.6.32.20011222183138.007a6420@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hey Guys,

Just got the 6AW8 - 5763 transmitter working! Puts out up to 9.5 watts right now. But that's variable down to 4.3 watts, so can stay legal :-)

Since I didn't feel compeled to stick entirely with 1950's technology, it has opto-isolated, transistor switched grid block keying, with zener diodes to set the grid voltage on the driver and final. Power out is controled with a regulated, transistorized, variable HV supply to change the screen voltage on the 5763. That was an interesting circuit to get going, one forgets how hot a resistor can get with just a few mills flowing through it, when it's dropping one or two hundred volts! Also got lazy and popped in a 4001 cmos logic chip to do the delayed T/R relay switching <g>

Now just have get the keying waveform to look better and clean up a few details- like side tone, (I always forget about adding side tone), before I actually try it on the air. Might get that done latter tonight, so if you hear someone calling CQ on 7.050 later, that might very well be me!

72,
Steve, KD1JV
"Melt Solder"
White Mountians of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Sat, 22 Dec 2001 15:34:11 -0800
From: "Mike Silva" <mjsilva697@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [115745] Re: Need HELP finding info
Message-ID: <012401c18b41\$29b8da40\$78fab3d1@computer>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sounds like there's lots of tube lovers on this list, but if you want all tube, all of the time, join the glowbugs mailing list, devoted to tube ham homebrew. Lots of transmitter and receiver building going on there, and plenty of info and mentors. Here's the info from the radio newsgroups FAQ:

> For homebuilding transmitters and receivers using tube technology,
> there is the Glowbugs e-list; send an email to:
> majordomo@piobaire.mines.uidaho.edu and only write:
> subscribe glowbugs <your@address.here>

We'll set you up with some big parts! :)

73,
Mike, KK6GM

----- Original Message -----

From: "Dragon Singer" <WM-Scace@wiu.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, December 22, 2001 12:27 PM
Subject: Need HELP finding info

> Hi Gang,
> Wayne K9DI es Sequoia here. I've sort of been bitten by the bug,
> which bug you ask? The "Glowbug" bug! However I need some help finding
> info on how to get started with hollow state tech. The reason hollow
state
> has me excited is that most of the components are big enough so that even
I
> (with only 5% usable vision) can probably HB something using it. How do I
> get started? Where do I find tool, supplies, info, mentors??
> 72 es have a Very MERRY Christmas!!
> M00/00
>
> Respectfully and Sincerely Yours,
>
> Wayne M. Scace
>
> k9di@arrl.net
> LICQ# 315313
> FISTS# 4409
> QRP-L# 2313
> FPQRP-L# 217

> SOC# 452
> ARS # 1,082
> Zombie # 800
> <http://k9di.homestead.com/K9DIHam1.html>
>

End of QRP-L Digest 2413
